

NTUA Fort Defiance District Office

Fort Defiance, Arizona

Dyron Murphy Architects Project No. 2020.13



ADDENDUM No. 01

December 22, 2022

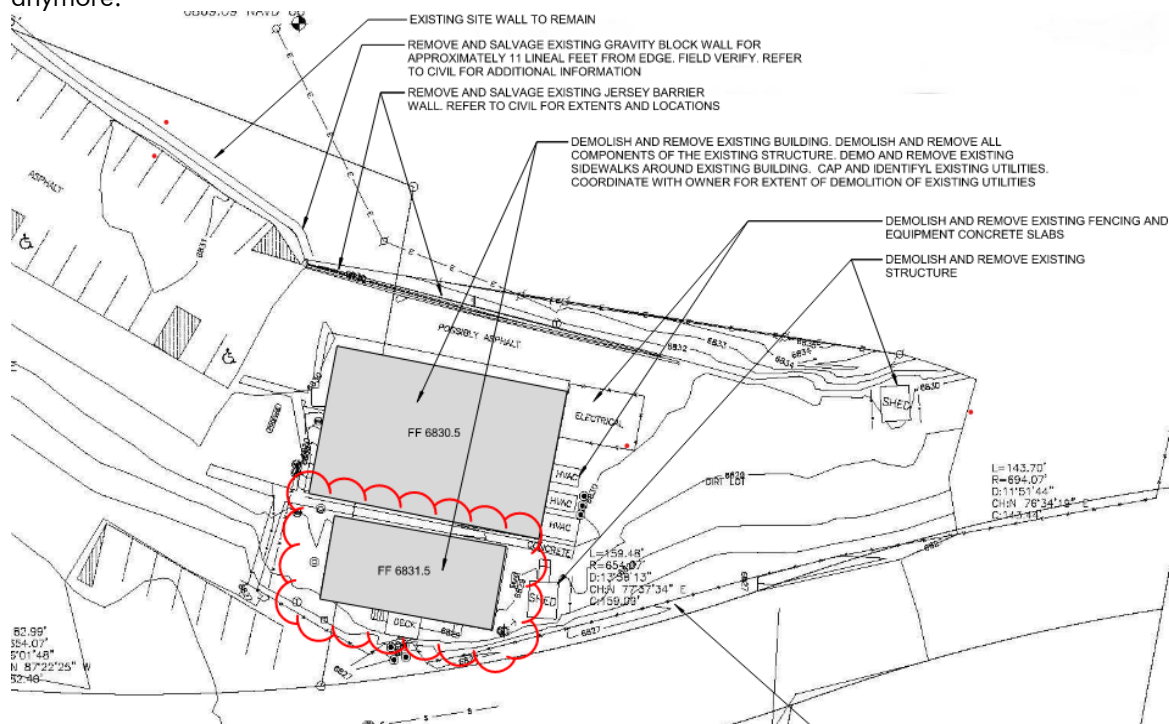
This addendum forms part of the Contract Documents and modifies the Bid Documents dated, November 10, 2022, as noted below.

INFORMATION TO BIDDERS:

1. Refer to attached pre-bid meeting sign-in sheet.
2. Per the architectural demolition site plan and as mentioned in the pre-bid meeting, the existing Engineering building and UOC building are indicated to be demolished as part of the scope of work. The existing structures will require asbestos, lead and mold remediation as part of the demolition of the structure. Refer to attached testing reports provided by NTUA and completed by All Nations Environmental, Inc.
3. Electrical symbol shown on sheet E102 as shown below is to be a symbol for a ceiling mounted smoke detector.



4. Door C04 is to include all required infrastructure, power and door hardware for card access.
5. The building located south of the existing UOC building to be demolished has already been demolished and is not part of the scope. Refer to sketch below for building shown in red that is not located on the site anymore:





6. The two sheds shown on the Demolition Site Plan, AD101, located east of the existing UOC building will be removed by NTUA I.T.

7. Existing structures to be demolished as shown on sheet AD101, Demolition Site Plan, are to be properly removed and disposed following Navajo Nation Environmental Protection Agency requirements. Refer to attached environmental assessment reports provided by NTUA for additional information. Contractor is responsible to obtain required permits and pay fees as required to complete the scope of work.

APPROVED SUBSTITUTIONS:

Product submittals are reviewed for general compliance with Contract Documents, and are listed for inclusion as acceptable, not "in lieu of", or "as substitution(s)". Product submittal requests not addressed in this or other addenda were not accepted for use on this project. Note that products to be used will be further discussed and determined which are to be used.

1. Specification Section 08 7100 Door Hardware:
 - Allegion; Schlage Lock Co.
2. Specification Section 10 2113 Toilet Partitions:
 - Scranton; Hiny Hiders Solid Plastic

END OF ADDENDUM NO.01

Oscar Tovar, Project Manager
Dyron Murphy Architects, P.C

Attachments:

1. Pre-Bid Meeting Sign In-Sheet
2. Environmental Assessment Reports:
 - o Utility Operations Center (UOC)-Lead Inspection Report
 - o Utility Operations Center (UOC)-Mold Inspection Report
 - o Utility Operations Center (UOC)-Asbestos Inspection Report
 - o Old Engineering Building-Asbestos Inspection Report



NAVAJO TRIBAL UTILITY AUTHORITY
AN ENTERPRISE OF THE NAVAJO NATION

PRE-PROPOSAL MEETING SIGN-IN SHEET			
Project:	New Fort Defiance District Office Building	Meeting Date:	Wednesday – December 7, 2022
Place/Room:	NTUA Corporate at Fort Defiance, Arizona	Meeting Time:	10:00 am – 12:30 pm (DST)

Name/Title	Company Representing	Phone	E-Mail
Avis Jimm, Contract Administrator	NTUA Purchasing Department	(928) 729-6243	avisj@ntua.com <i>Avis Jimm</i>
ORAN ARVISO / VP	ARVISO CONST CO	505 905-5526	oran@arviso.com
DYRON MURPHY	DMA, PC	505 830 0203	dmurphy@dm-architects.com
OSCAR TORRE	DMA	505. 830. 0203	gtovare@dm-architects.com
RICK DESTEA	LAM CORPORATION	505.722.0965	rickdestea@lamcorporation.com
Elaine Stewart,	All Nations Eng'g Inc.	928-551-3047	elaine@annationseng.com
NORMAN BOSHE	Benally/Woodward Const Creative	(928) 6755770 (928) 380-	N/A
Elicia Tuttle	Nativa Construction	928 45	christos@teaneyaho.com
Jarrell Henris	NTUA FM	(928) 729 6545	jarrellh@NTUA.com
Geneva Begay	FM - NTUA	505-728 6648	genevab@NTUA.com
Harry Singor	Keyah Construction	602-290-0650	hysingor@keyahinc.com



NAVAJO TRIBAL UTILITY AUTHORITY
AN ENTERPRISE OF THE NAVAJO NATION

PRE-PROPOSAL MEETING SIGN-IN SHEET			
Project:	New Fort Defiance District Office Building	Meeting Date:	Wednesday - December 7, 2022
Place/Room:	NTUA Corporate at Fort Defiance, Arizona	Meeting Time:	10:00 am - 12:30 pm (DST)

Name/Title	Company Representing	Phone	E-Mail
Pam Parrish	Dine' Construction	205-269-1690	pparrish@dineconstruction.com
Brent Frye	Arrow Indian Contractor	480-500-6546	brent.frye@arrowindian.com
Mark Morton	Dine' Construction	205 269 1665	mmorton@dineconstruction.com
Mark Lujan	Sowers	505-836-4917	marklujan@sowersconstruction.com
Mark Wilkie	Sowers	505-836-4917	"
Steve Wilkie	Sowers	5 "	"
Wes Spera	WCA Construction	920-739-3133	wspera@wcaconstruction.com
Jeffery Etsitty	NECA	505-806-1449	jeff@navajo.net
Andrew Singer	BlackRock Greenbury	(428)240-2132	andrew@blackrockmanagementllc.com
Kasuy Harding	NTUA IT-SEC. HQ	928-729-3020	KasuyH@ntua.com

All Nations Environmental, Inc
P.O. Box 38 ☞ Fort Defiance, AZ 86504
Office No: 928-729-2802 Fax No: 928-729-2927
www.AllNations.com

Lead Inspection Report



Property: NTUA -Utility Operations Center
North Navajo Rt. 12
Fort Defiance, Arizona

Client: NTUA HEADQUARTERS
PO No:

NAVAJO TRIBAL UTILITY AUTHORITY
P.O. BOX 170
FORT DEFIANCE, ARIZONA 86504
Office: 928-729-5721
Fax: 928-729-5728

October 13, 2020

LEAD ASSESSMENT

INTRODUCTION

All Nations Environmental, LLC (ANE) was retained to do building assessment of the NTUA -Utility Operations building in Fort Defiance, Arizona. October 5, 2020 the client NTUA provided ANE building access thru site facility Maintenance personnel. The enclosed report contains a description of the sampling techniques, analytical results.

RECOMMENDATIONS

Lead Samples were taken on October 5, 2020 at the NTUA Utility Operations Building in Fort Defiance, Arizona. The purpose of the inspection was to identify lead paint on interior painted surfaces.

Lead Analysis: NEGATIVE lead results

EMC, Labs # L82364

Reportable Limits (BRL) by all exterior units being in the 0.010 (%Pb) by weight.

Maximum Contaminants Concentrations for Toxicity Characteristics waste:

Analytical Samples:	Description:	Site Reporting Limits	%PH by Weight	Waste Stream Constituent:	Concentration: (Milligrams/liter Mg/1) Reportable limits:
Back door	Paint wall	0.027(%Pb)	BRL	Lead	5.0 Mg/1
Custodian	Paint wall	0.010(%Pb)	BRL	Lead	5.0 Mg/1
Entrance	Paint wall	0.010(%Pb)	BRL	Lead	5.0 Mg/1
Main room	Paint wall	0.010(%Pb)	BRL	Lead	5.0 Mg/1

Samples were submitted to EMC, Labs, Inc., Phoenix, Arizona for analysis using lead flame AA Analysis. A National Voluntary Laboratory accreditation Program (NVLAP), number 101926-0/ the samples collected and submitted to the laboratory using established chain of custody procedures. Chain of custody record for samples is presented with laboratory analysis report.

40 FR Part 745 Lead Base Paint Poisoning Prevention in Structures

Residential Hazard Standard for Lead in Paint, Dust, and Soil (TSCA Section 403): this sets Standards for dangerous levels of lead in paint, household dust, and residential soil.

We appreciate the opportunity to work again with you on this project. If you have any questions or comments regarding the report, please contact us at (928) 729-2802.

Elaine Stewart is EPA-accredited AHERA building inspector License No: ON-4644-4116-060720 AHERA Management planner License No: 4611-4116-090320, AHERA Contract/Supervisor Refresher License No: 4609-4116-090220.

Elaine Stewart
All Nations Environmental, Inc.

Appendix: A –EMC, Laboratory Analytical results

Appendix: B –Chain of Custody

Appendix: C – site maps

Appendix D - Certifications



9830 South 51st Street, Suite B-109 / PHOENIX, ARIZONA 85044 / 480-940-5294 or 800-362-3373 / FAX 480-893-1726
emclab@emclabs.com

LEAD (Pb) IN PAINT CHIP SAMPLES
EMC SOP METHOD #L01/1 EPA SW-846 METHOD 7420


EMC LAB #: L82364		DATE RECEIVED: 10/07/20			
CLIENT: All Nations Environmental		REPORT DATE: 10/08/20			
		DATE OF ANALYSIS: 10/08/20			
CLIENT ADDRESS: PO Box 38 Fort Defiance, AZ 86504		P.O. NO.:			
PROJECT NAME: NTUA - Utility Operations Center Bldg.		PROJECT NO.:			
EMC # L82364-	SAMPLE DATE /20	CLIENT SAMPLE #	DESCRIPTION	REPORTING LIMIT (%Pb by weight)	%Pb BY WEIGHT
1	10/05	NTUA-1-UOC	Back Door	0.027	BRL
2	10/05	NTUA-2-UOC	Custodian Room - Wall	0.010	BRL
3	10/05	NTUA-3-UOC	Entrance Paint	0.010	BRL
4	10/05	NTUA-4-UOC	Main Room	0.010	BRL

^ = Dilution Factor Changed * = Excessive Substrate May Bias Sample Results **BRL** = Below Reportable Limits # = Very Small Amount Of Sample Submitted, May Affect Result

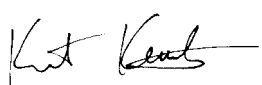
This report applies to the standards or procedures identified and to the samples tested only. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. Unless otherwise noted, all quality control analyses for the samples noted above were within acceptable limits.

Where it is noted that a sample with excessive substrate was submitted for laboratory analysis, such analysis may be biased. The lead content of such sample may, in actuality, be greater than reported. EMC makes no warranty, express or implied, as to the accuracy of the analysis of samples noted to have been submitted with excessive substrate. Resampling is recommended in such situations to verify original laboratory results. EMC Labs, Inc. (ID 101586) is accredited by the AIHA Laboratory Accreditation Programs, LLC (AIHA-LAP, LLC) in the Environmental Lead accreditation program(s) for Paint, Settled Dust by Wipe, Soil and Airborne Dust Fields of Testing as documented by the Scope of Accreditation Certificate and associated Scope. AIHA-LAP, LLC accreditation complies with the ISO/IEC Standard 17025:2005. requirements.

These reports are for the exclusive use of the addressed client and are rendered upon the condition that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. Samples not destroyed in testing are retained a maximum of sixty (60) days.

ANALYST: 

 Jason Thompson

QA COORDINATOR: 

 Kurt Kettler

Appendix B

Chain of Custody

CHAIN OF CUSTODY

EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: L82364
 TAT: 1-2 days
10/07/2020
 Rec'd:

COMPANY NAME: All Nations Environmental, Inc.
 Address: PO Box 38, Ft. Defiance, Arizona 86504
 CONTACT: Elaine Stewart
 Phone/Fax: 928-729-2802
 Email: 928-729-2927

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. TURNAROUND TIME: [Same Day Rush] [1-2 Days] [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. TYPE OF ANALYSIS: [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. DISPOSAL INSTRUCTIONS: [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: <u>NTUA - Utility Operations Center Bldg</u>							
P.O. Number: _____		Project Number: _____					
EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
<u>1</u>	<u>NTUA-1-UOC</u>	<u>10-3-20</u>	<u>Back Door -</u>	<u>(Y) N</u>			
<u>2</u>	<u>NTUA-2-UOC</u>	<u>10-3-20</u>	<u>Clean Room - wall</u>	<u>(Y) N</u>			
<u>3</u>	<u>NTUA-3-UOC</u>	<u>10-3-20</u>	<u>Entrance Point</u>	<u>(Y) N</u>			
<u>4</u>	<u>NTUA-4-UOC</u>	<u>10-3-20</u>	<u>Main Room</u>	<u>(Y) N</u>			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: Email Results

Sample Collector: (Print) Elaine Stewart (Signature) [Signature] 9:40

Relinquished by: _____ Date/Time: _____ Received by: [Signature] Date/Time: 10/07/2020

Relinquished by: [Signature] Date/Time: 10/07/2020 10:50 Received by: _____ Date/Time: 10/27/20 10:55

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

All Nations Environmental, Inc.

HARMONY a partnership with a Healthy Land
P.O. Box 38 Fort Defiance, AZ 86504
Office No: 928-729-2802
Fax No: 928-729-2927
100 % Indian Owned/Operated



October 12, 2020

MOLD INSPECTION REPORT

Project: NTUA -Utility Operations Building

All Nations Environmental, Inc., (ANE) was retained to provide a building inspection of Navajo Tribal Utility Authority (NTUA), Prior Old Engineering Building in Fort Defiance, Arizona. The site owner NTUA, maintenance personnel allow access into the building and ANE started the building inspection.

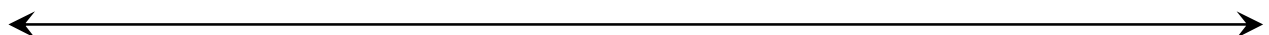
The samples were collected and submitted to the laboratory using established chain of custody procedures. Chain of custody record for samples is presented with the analysis reports in (*Appendix B*). Samples were submitted to EMC, labs Inc., Phoenix, Arizona for analysis using Polarized Light Microscopy (PLM) methods. Nations Voluntary Laboratory accreditation Program (NVLAP). Number 101926-0.

Site inspection:

The building is a metal butler building. with several offices, kitchen, with two-bathroom facility and custodian room. Visual inspection on interior walls are sound and ceiling is a drop ceiling. Drop ceiling has multiply water stain from previous roof leaks (mold). Walls and ceiling were sampled. Custodial room has a mop sink which has water damaged wall. Floor has floor tiles and carpet areas.

Site Samples:

Custodial Room: visual inspections show water leak is causing mold issues within the wall at the mop sink. Samples taken show an extremely high levels of mold growth.



Other samples take within the building the analytical results are negative. No investigation was done into the plumbing lines to sample CBM. unknown on type of underground CBM used for sewer lines. We did not access the power room. HVAC system are used and ducted into building. Exterior is all metal paneling with concrete footings. Glass doors with side windows panels at the entrances area only. No windows on building. one entrance door and two exit doors with one emergency exit only.

Site interior photos (*Appendix D*)

Lab Report

Semi Quantitative Count on Bulk Materials (CBM)

EMC Lab No: M34467 (*Appendix A*)

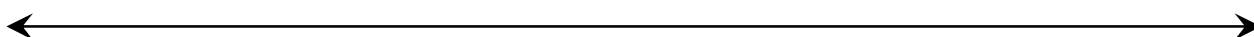
Client Sample:	Location:	Spore Type:	Observed Counts:	Approx. Calc. Percentage:
NTUA-UOC-Ma	Custodial room	Stachybotrys (Black Mold)	120000	100
NTUA-UOC-Mb	Custodial Room	Stachybotrys (Black Mold)	2000	
EMC Lab No: M34457 Semi Quantitative Counts on Swab				
NTUA-UOC-M	Custodial Room	Stachybotrys (Black Mold)	210000	100

Custodial room has mold on Construction Building Materials (CBM) these results show that the interior walls (sheetrock has mold growth) around the custodial sink at high levels

Conclusion:

The interior Air Samples show that mold within the interior building are an exceptionally high levels throughout the buildings sampling results. Common mold spores are present in high levels which indicates that the building is plumbing has a leak, which is provided moisture to continue the mold growth.

Stachybotrys: (aka “Black Mold”) is a genus of molds, hyphomycetes or asexually reproducing filamentous fungi, now placed in the family of Stachybotryaceae. Also know as black mold or toxic black mold.



Recommendation:

Prior to any demolition or renovations which all applicable Local, State, and Federal Regulations must be complied with (NESHAP) and local notifications.

Notify local, state, and federal air pollution official by letter 10 working days prior to any renovations or demolition activities (NESHAP regulations).

Mold remediation:

Custodian room. This area will need to be address with certified remediation company for the removal of the interior sheetrock. Mold is present on the interior walls. Mold remediation will need to be remediated by certified workers.

If you have any questions or concerns about this report, please contact the office and or email.

We thank you for your business.

Elaine Stewart, Sr. Project Manager
All Nations Environmental, Inc.

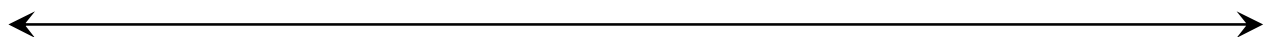
Elaine Stewart is EPA-accredited AHERA building inspector License No: ON-4644-4116-060720
AHERA Management planner License No: 4611-4116-090320, AHERA Contract/Supervisor
Refresher License No: 4609-4116-090220.

Appendix A- EMC, Labs report

Appendix B- Chain of Custody

Appendix C- Certification

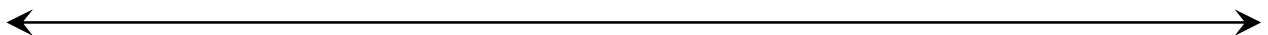
Appendix D-site map



EMC LAB ANALYTICAL REPORT

EMC LAB NO: M34457

EMC LAB NO: M34467



EMC Labs, Inc. *Semi Quantitative Counts on Swab*

Client: All Nations Environmental, Inc.
 PO Box 38
 Fort Defiance, AZ 86504

Client Project ID: NTUA-Utility Operations
 Center Bldg.
 Client Job Number:
 Client P.O.:
 Sample(s) Submitted By: Client

EMC Lab# M34457
 Date Submitted: 10/07/20
 Date of Analysis: 10/08/20
 Date Reported: 10/08/20
 EMC Method# EM01/2

Client Sample ID: NTUA-UOC-M		
EMC Sample Number: M34457-1		
Sample Collection Date: 10/05/20		
Sample Location: Custodial Room		
Analyst: JT		
Spore Type or Genus	Observed Counts	Approx. Calc. Percentage
Pollen		
Mycelial Fragments	20000	
<i>Limit of Detection per cm²</i>	1	
Alternaria		<RL
Arthrinium		<RL
Ascospores		<RL
Aspergillus/Penicillium		<RL
Basidiospore		<RL
Bipolaris/Drechslera		<RL
Botrytis		<RL
Chaetomium		<RL
Cladosporium		<RL
Curvularia		<RL
Memnoniella		<RL
Myxomycetes/Smuts		<RL
Nigrospora		<RL
Oidium		<RL
Pithomyces		<RL
Rusts		<RL
Stachybotrys	210000	100
Torula		<RL
Ulocladium		<RL
Unidentifiable Spores		<RL
Total Fungal Spores	210000	100

The analysis contained in this report applies only to the samples tested and may not be indicative of the area tested due to the sampling process. EMC Labs, Inc. is a participant in the AIHA EMPAT Program for fungi. This report is for the exclusive use of the addressed client and will not be reproduced wholly or in part without written permission.

Approximate Calculated Percentage is based solely on a semiquantitative scan of the whole sample and is measured with 200X and 600X magnifications. Some sample data has been estimated based on the quantity(s) of spores.

One hundred percent of the subsample(s) is(are) analyzed.

Heavily loaded sample fields of view may be averaged for final analysis.



EMC Labs, Inc. *Semi Quantitative Counts on Bulk Material*

Client: All Nations Environmental, Inc
 PO Box 38
 Fort Defiance, AZ 86504

Client Project ID: NTUA - Utility Operations
 Center Bldg.
 Client Job Number:
 Client P.O.:
 Sample(s) Submitted By: Client

EMC Lab# M34467

Date Submitted: 10/07/20
 Date of Analysis: 10/09/20
 Date Reported: 10/09/20

EMC Method# EM01/2

Client Sample ID: NTUA-UOC-Ma EMC Sample Number: M34467-1 Sample Collection Date: 10/05/20 Sample Location: Custodial Room Analyst: JT			Client Sample ID: NTUA-UOC-Mb EMC Sample Number: M34467-2 Sample Collection Date: 10/05/20 Sample Location: Sheetrock - Wall Analyst: JT		
Spore Type or Genus	Observed Counts	Approx. Calc. Percentage	Spore Type or Genus	Observed Counts	Approx. Calc. Percentage
Pollen			Pollen		
Mycelial Fragments	15000		Mycelial Fragments	100	
Limit of Detection (Spores)	1		Limit of Detection (Spores)	1	
Alternaria		<RL	Alternaria		<RL
Arthrinium		<RL	Arthrinium		<RL
Ascospores		<RL	Ascospores		<RL
Aspergillus/Penicillium like		<RL	Aspergillus/Penicillium like		<RL
Basidiospore		<RL	Basidiospore		<RL
Bipolaris/Drechslera		<RL	Bipolaris/Drechslera		<RL
Botrytis		<RL	Botrytis		<RL
Chaetomium		<RL	Chaetomium		<RL
Cladosporium		<RL	Cladosporium		<RL
Curvularia		<RL	Curvularia		<RL
Memnoniella		<RL	Memnoniella		<RL
Myxomycetes/Smuts		<RL	Myxomycetes/Smuts		<RL
Nigrospora		<RL	Nigrospora		<RL
Oidium		<RL	Oidium		<RL
Pithomyces		<RL	Pithomyces		<RL
Rusts		<RL	Rusts		<RL
Stachybotrys	120000	100	Stachybotrys	2000	100
Torula		<RL	Torula		<RL
Ulocladium		<RL	Ulocladium		<RL
Unidentifiable Spores		<RL	Unidentifiable Spores		<RL
Total Fungal Spores	120000	100	Total Fungal Spores	2000	100

The analysis contained in this report applies only to the samples tested and may not be indicative of the area tested due to the sampling process. EMC Labs, Inc. is a participant in the AIHA EMPAT Program for fungi. This report is for the exclusive use of the addressed client and will not be reproduced wholly or in part without written permission.

Some sample data has been estimated based on the quantity(s) of spores.

page 1 of 1

Rev. 11/23/08

Approximate Calculated Percentage is based solely on a semiquantitative scan of the whole sample and is measured with 200X and 600X magnifications.

Random representative subsamples of the entire sample are taken by tape lift for analysis.

One hundred percent of the subsample(s) is(are) analyzed.

Heavily loaded sample fields of view may be averaged for final analysis.



Appendix B

Chain of Custody

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: M34457
 TAT: 1-2 days
 Rec'd: 10/07/2020

COMPANY NAME: All Nations Environmental, Inc.
 Address: PO Box 38, Ft. Defiance, Arizona 86504
 CONTACT: Elaine Stewart
 Phone/Fax: 928-729-2802
 Email: 928-729-2927

BILL TO: (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [Same Day Rush] [1-2 Days] [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk] [Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: NTUA - Utility Operations Center Bldg
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
<u>1</u>	<u>NTUA- UOC- M</u>	<u>10-5-20</u>	<u>Custodial Room</u>	<u>Y</u> N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: Email Results

Sample Collector: (Print) Elaine Stewart (Signature) [Signature] 9:40

Relinquished by: [Signature] Date/Time: 10/07/2020 Received by: [Signature] Date/Time: 10/07/2020

Relinquished by: [Signature] Date/Time: 10/07/2020 Received by: [Signature] Date/Time: 10/07/2020

CHAIN OF CUSTODY

EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: L82363-M34467
 TAT: 1-2 days
 Rec'd: 10/07/2020

COMPANY NAME: All Nations Environmental, Inc.
 Address: PO Box 38, Ft. Defiance, Arizona 86504
 CONTACT: Elaine Stewart
 Phone/Fax: 928-729-2802
 Email: 928-729-2927

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [Same Day Rush] [1-2 Days] [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: NTUA - Utility Operations Center Bldg
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
<u>1</u>	<u>NTUA-UOC-Ma</u>	<u>10-5-20</u>	<u>Custodial Room</u>	<u>(Y)</u> N			
<u>2</u>	<u>NTUA-UOC-Mb</u>	<u>10-5-20</u>	<u>Stairrock wall</u>	<u>(Y)</u> N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: Email Results

Sample Collector: (Print) Elaine Stewart

(Signature) [Signature] - 10-5-2020

Relinquished by: _____ Date/Time: _____ Received by: [Signature] Date/Time: 10/07/2020

Relinquished by: [Signature] Date/Time: 10/07/2020 Received by: _____ Date/Time: 10/7/20

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

Appendix C

Certification

THE ASBESTOS INSTITUTE

Certifies that

Elaine Stewart

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

June 07, 2020

and successfully completed and passed the competency exam.

Certificate:
ON-4644-4116-060720

Date of Examination:
7-Jun-2020

Date of Expiration:
07-Jun-2021


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.

THE ASBESTOS INSTITUTE

Certifies that

Elaine Stewart

has attended and received instruction in the EPA approved course
AHERA Contractor/Supervisor Refresher

on

September 02, 2020

and successfully completed and passed the competency exam.

Certificate:
4609-116-090220

Date of Examination:

02-Sep-2020

Date of Expiration:

02-Sep-2021



William T. Cavness
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THE ASBESTOS INSTITUTE

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AHERA Management Planner Refresher

on

September 03, 2020

and successfully completed and passed the competency exam.

Certificate:
4611-4116-090320

Date of Examination:
03-Sep-2020

Date of Expiration:
03-Sep-2021


William T. Cavness
Director


Approved Instructor

THE ASBESTOS INSTITUTE

20033 N. 19th Ave, Building 6, Phoenix, AZ 85027

602-864-6564 – www.theasbestosinstitute.com

Appendix D

Site Photo

Google Maps NTUA Double Wide Trailer



Map data ©2020 , Map data ©2020 20 ft

All Nations Environmental, Inc
P.O. Box 38 c3 Fort Defiance, AZ 86504
Office No: 928-729-2802 Fax No: 928-729-2927
www.AllNationsaz.com

Asbestos Inspection Report



Property: NTUA – Utility Operations Center
North Navajo Rt. 12
Fort Defiance, Arizona

Client: NTUA HEADQUARTERS
PO No:

NAVAJO TRIBAL UTILITY AUTHORITY
P.O. BOX 170
FORT DEFIANCE, ARIZONA 86504
Office: 928-729-5721
Fax: 928-729-5728

October 12, 2020

EXECUTIVE SUMMARY

Building Inspection Report
NTUA-Utility Operations Building

Propose

All Nations Environmental, Inc. was contacted by NTUA the owners of NTUA- Utility Operations Building, located within the NTUA business site located in Fort Defiance, Arizona. The instructions are to undertake an Asbestos Inspection of the property to identify any asbestos-containing materials (ACM) at the property and advise on collection of bulk Samples final Analytical Report. Recommendations if any asbestos-containing materials that may be present.

An inspection of the property was undertaken by Elaine Stewart from ANE, Inc. on October 5, 2020, certification (*appendix C*). Site owner NTUA allowed ANE access to facility for inspection.

Scope

The survey comprised a visual inspection of accessible areas at the property. This property Building is constructed of Metal Butler Building with offices, computer rooms and facilities (bathrooms, kitchen). Interior has sheetrock walls with VCT flooring.

NTUA following work on site is to demolish and clear the site of any previous building within the site of the Old Administration Building. The inspection identified that the NTUA -Utility Operations Building Bulk Samples are negative from the EMC lab report.

Findings:

EMC Lab No: 0244012 – Negative results for Asbestos containing materials bulk samples (*Appendix A*).

Sampling:

Analytical Bulk samples on construction building materials (CBM) are analysis using Polarized Light Microscopy (PLM) methods. Nations Voluntary Laboratory Accreditation Program (NVLAP), Number 101926-0. The Samples were collected and submitted to the laboratory using established chain of custody procedures. Chain of custody recorded for samples is presented with laboratory analysis report in (*appendix B*).

Recommendations:

Prior to any Demolition and Renovations which all applicable local, state, and federal regulations must be complied with (NESHAP) and local Notifications.

Notify local, state, and federal air pollution officials by letter 10-working days prior to any renovations or demolition activities (NESHAP regulations).

We appreciated the opportunity work with you on this project. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office.

Sincerely,
All Nations Environmental, Inc.

Elaine Stewart, Sr. Project Manager

Appendix:
A-EMC Lab report
B-Chain of Custody
C-Certifications
D-Site Map

Appendix A
EMC LAB REPORT
NO: 0244012

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0244012

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ALL NATIONS ENVIRONMENTAL	Job# / P.O. #:	
Address:	P.O. BOX 38	Date Received:	10/07/2020
	FT. DEFIANCE AZ 86504	Date Analyzed:	10/08/2020
Collected:	10/05/2020	Date Reported:	10/08/2020
Project Name:	NTUA-UTILITY OPERATIONS	EPA Method:	EPA 600/R-93/116
Address:	CENTER BLDG	Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0244012-001 NTUA-A-UOC	ENTRANCE-BASE	Texture, White/Cream Note: No Sheetrock Present	No	None Detected	Carbonates Mica Quartz Binder/Filler	100%
0244012-002 NTUA-B-UOC	SINK-WALL	LAYER 1 Sheetrock Wall, Tan/Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Texture, White/Cream	No	None Detected	Carbonates Mica Quartz Binder/Filler	100%
0244012-003 NTUA-C-UOC	WOMEN-BR-WALL	LAYER 1 Sheetrock Wall, Tan/Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Texture/ Paint, White/Cream	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Binder/Filler	1% 99%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0244012

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ALL NATIONS ENVIRONMENTAL	Job# / P.O. #:	
Address:	P.O. BOX 38	Date Received:	10/07/2020
	FT. DEFIANCE AZ 86504	Date Analyzed:	10/08/2020
Collected:	10/05/2020	Date Reported:	10/08/2020
Project Name:	NTUA-UTILITY OPERATIONS	EPA Method:	EPA 600/R-93/116
Address:	CENTER BLDG	Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0244012-004 NTUA-D-UOC	WOMAN-CEILING	LAYER 1 Sheetrock Ceiling, Off White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Sheetrock Mud, White	No	None Detected	Cellulose Fiber <1% Carbonates Mica Quartz 99%
		LAYER 3 Tape, Off White	No	None Detected	Cellulose Fiber 98% Carbonates 2%
		LAYER 4 Texture/ Paint, White/Cream	No	None Detected	Cellulose Fiber 1% Carbonates Mica Quartz Binder/Filler 99%
0244012-005 NTUA-E-UOC		LAYER 1 Sheetrock Wall: Paper, Brown	No	None Detected	Cellulose Fiber 95% Carbonates Binder/Filler 5%
		LAYER 2 Sheetrock Mud, White	No	None Detected	Carbonates Mica Quartz 100%
		LAYER 3 Tape, Off White	No	None Detected	Cellulose Fiber 98% Carbonates 2%
		LAYER 4 Texture/ Paint, White/Cream	No	None Detected	Carbonates Mica Quartz Perlite Binder/Filler 100%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0244012

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ALL NATIONS ENVIRONMENTAL	Job# / P.O. #:	
Address:	P.O. BOX 38	Date Received:	10/07/2020
	FT. DEFIANCE AZ 86504	Date Analyzed:	10/08/2020
Collected:	10/05/2020	Date Reported:	10/08/2020
Project Name:	NTUA-UTILITY OPERATIONS	EPA Method:	EPA 600/R-93/116
Address:	CENTER BLDG	Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0244012-006 NTUA-F-UOC	SP. RM	Carpet, Gray/Blue/Pink	No	None Detected	Synthetic Fiber	90%
					Carbonates Binder/Filler	10%
0244012-007 NTUA-G-UOC		LAYER 1 Vinyl Floor Tile, Lt. Green	No	None Detected	Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%
0244012-008 NTUA-H-UOC		LAYER 1 Vinyl Floor Tile, White/ Gray Streaks	No	None Detected	Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%
0244012-009 NTUA-I-UOC		LAYER 1 Cove Base, Brown	No	None Detected	Carbonates Quartz Binder/Filler	100%
		LAYER 2 Cove Base Adhesive, Brown	No	None Detected	Carbonates Binder/Filler	100%
		LAYER 3 Sheetrock Mud, White	No	None Detected	Carbonates Mica Quartz Binder/Filler	100%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0244012

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ALL NATIONS ENVIRONMENTAL	Job# / P.O. #:	
Address:	P.O. BOX 38	Date Received:	10/07/2020
	FT. DEFIANCE AZ 86504	Date Analyzed:	10/08/2020
Collected:	10/05/2020	Date Reported:	10/08/2020
Project Name:	NTUA-UTILITY OPERATIONS	EPA Method:	EPA 600/R-93/116
Address:	CENTER BLDG	Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0244012-010 NTUA-J-UOC		LAYER 1 Cove Base, Dark Gray	No	None Detected	Carbonates Quartz Binder/Filler	100%
		LAYER 2 Cove Base Adhesive, Tan	No	None Detected	Carbonates Binder/Filler	100%
		LAYER 3 Sheetrock Mud, White	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Binder/Filler	<1% 99%
0244012-011 NTUA-K-UOC		LAYER 1 Floor Tile, Lt. Gray/ White	No	None Detected	Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected	Carbonates Quartz Binder/Filler	100%
0244012-012 NTUA-L-UOC		LAYER 1 Carpet, Pink/ Purple	No	None Detected	Synthetic Fiber Carbonates Binder/Filler	90% 10%
		LAYER 2 Mastic, Yellow	No	None Detected	Synthetic Fiber Carbonates Quartz Binder/Filler	<1% 99%
0244012-013 NTUA-M-UOC		Drop Ceiling, Beige/ White	No	None Detected	Mineral Wool Cellulose Fiber Carbonates Perlite Binder/Filler	50% 30% 20%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

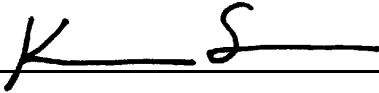
Laboratory Report
0244012

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ALL NATIONS ENVIRONMENTAL	Job# / P.O. #:	
Address:	P.O. BOX 38	Date Received:	10/07/2020
	FT. DEFIANCE AZ 86504	Date Analyzed:	10/08/2020
Collected:	10/05/2020	Date Reported:	10/08/2020
Project Name:	NTUA-UTILITY OPERATIONS	EPA Method:	EPA 600/R-93/116
Address:	CENTER BLDG	Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0244012-014 NTUA-N-UOC		Drop Ceiling, Beige/ White	No	None Detected	Mineral Wool 50% Cellulose Fiber 30% Carbonates Perlite Binder/Filler 20%
0244012-015 NTUA-O-UOC		Drop Ceiling, Beige/ White	No	None Detected	Mineral Wool 50% Cellulose Fiber 30% Carbonates Perlite Binder/Filler 20%



Analyst - Kenneth Scheske



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Appendix B

Chain of Custody

CHAIN OF CUSTODY

EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: 244012
 TAT: 1-2 days
 Rec'd: OCT 07 PM

COMPANY NAME: All Nations Environmental, Inc.
 Address: PO Box 38, Ft. Defiance, Arizona 86504
 CONTACT: Elaine Stewart
 Phone/Fax: 928-729-2802
 Email: 928-729-2927

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA- MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [Same Day Rush] [1-2 Days] [3-4-5 Days] [6-10 Days]

***Prior confirmation of turnaround time is required
 ***Additional charges for rush analysis (please call marketing department for pricing details)
 ****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. **Project Name:** NTUA- Utility Operations Center Bldg
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	NTUA-A-UOC	10-5-2020	Entrance-hall-	Y N			
2	NTUA-B-UOC	10-5-2020	Sink-wall	Y N			
3	NTUA-C-UOC	10-5-2020	Women-Bl-wall	Y N			
4	NTUA-D-UOC	10-5-2020	Women-Ceiling	Y N			
5	NTUA-E-UOC	10-5-2020	Cushion-wall-Sheetrock	Y N			
6	NTUA-F-UOC	10-5-2020	Carpet-S.P.Room	Y N			
7	NTUA-G-UOC	10-5-2020	Floor tile	Y N			
8	NTUA-H-UOC	10-5-2020	Floor tile	Y N			
9	NTUA-I-UOC	10-5-2020	Con base-Brown	Y N			
10	NTUA-J-UOC	10-5-2020	Curb base-Dark Grey	Y N			
11	NTUA-K-UOC	10-5-2020	Bot. floor tile-E	Y N			
12	NTUA-L-UOC	10-5-2020	Carpet	Y N			
13	NTUA-M-UOC	10-5-2020	Ceiling-Drop-	Y N			
14	NTUA-N-UOC	10-5-2020	Drop Ceiling	Y N			
15	NTUA-O-UOC	10-5-2020	Drop Ceiling	Y N			

SPECIAL INSTRUCTIONS: Email Results

Sample Collector: (Print) Elaine Stewart (Signature) [Signature] 10-5-20

Relinquished by: _____ Date/Time: _____ Received by: Diana Federico Date/Time: 10/7/20 5:40 am

Relinquished by: Diana Federico Date/Time: 10/7/20 3:15 pm Received by: [Signature] Date/Time: 10/7/2020 15:15

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

Appendix C

Certifications

THE ASBESTOS INSTITUTE

Certifies that

Elaine Stewart

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

June 07, 2020

and successfully completed and passed the competency exam.

Certificate:
ON-4644-4116-060720

Date of Examination:


7-Jun-2020

Date of Expiration:

07-Jun-2021



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.

THE ASBESTOS INSTITUTE

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Elaine Stewart

has attended and received instruction in the EPA approved course
AHERA Contractor/Supervisor Refresher

on

September 02, 2020

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02-Sep-2020

Date of Expiration:

02-Sep-2021



William T. Cavness
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602-864-6564 – www.theasbestosinstitute.com

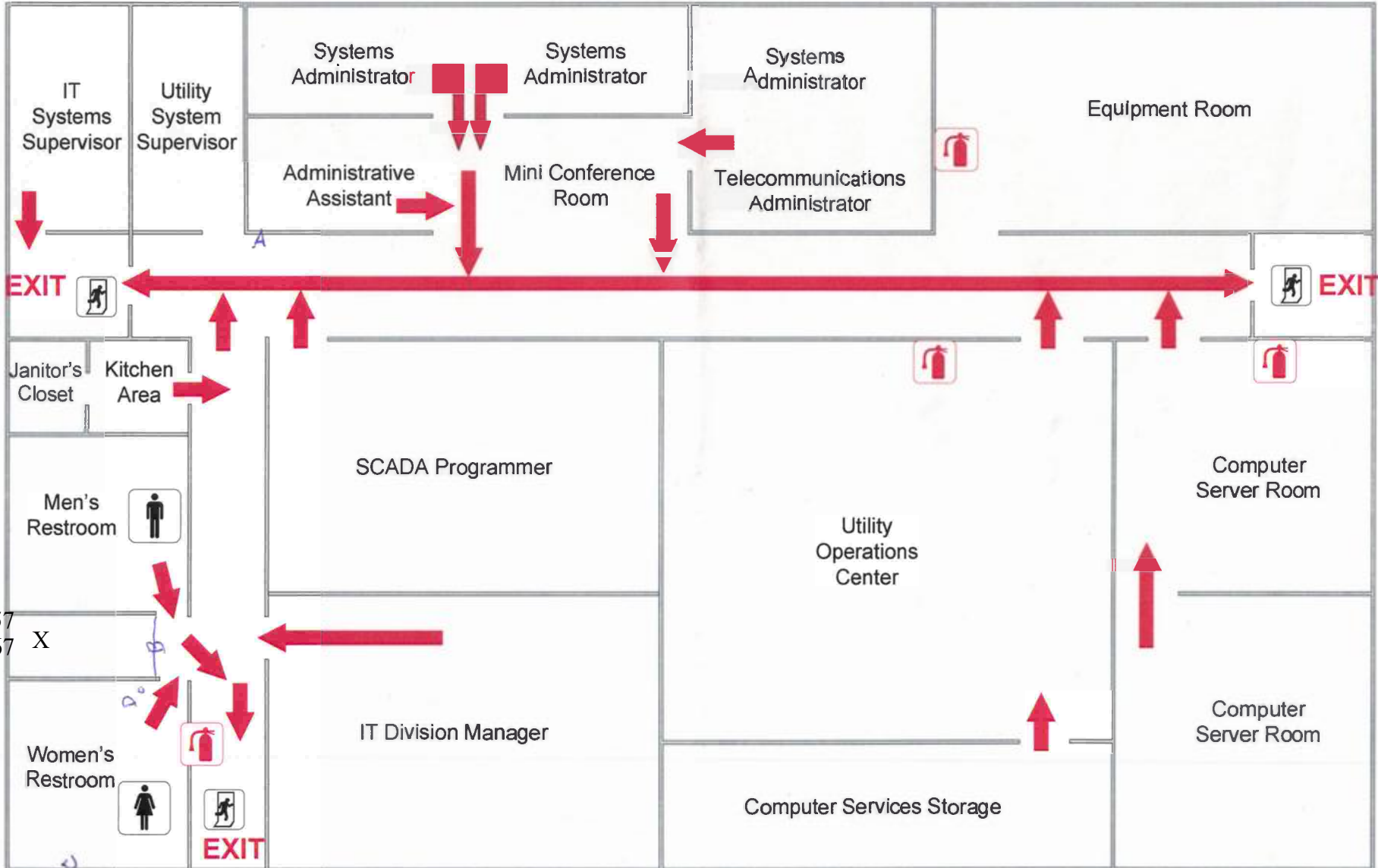
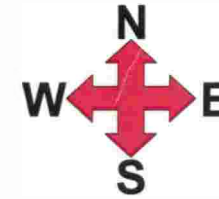
This training meets all requirements for asbestos certification under Toxic Substance Control Act Title II.

Appendix D

Site Photo



Navajo Tribal Utility Authority Utility Operations Center FIRE ESCAPE PLAN



Legend
Fire Escape Route →
Fire Extinguisher Locations

All Nations Environmental, Inc
P.O. Box 38 c3 Fort Defiance, AZ 86504
Office No: 928-729-2802 Fax No: 928-729-2927
www.AllNations.com

Asbestos Inspection Report



Property: NTUA -Old Engineering Building
HQ-EC&O/EISD-ELEC.OPS
North Navajo Rt. 12
Fort Defiance, Arizona

Client: NTUA HEADQUARTERS
PO No:

NAVAJO TRIBAL UTILITY AUTHORITY
P.O. BOX 170
FORT DEFIANCE, ARIZONA 86504
Office: 928-729-5721
Fax: 928-729-5728

October 12, 2020

EXECUTIVE SUMMARY

Building Inspection Report
NTUA- HQ-ED&O/EISD-ELEC.OPS
NTUA- Old Engineering Building

Propose

All Nations Environmental, Inc. was contacted by NTUA the owners of NTUA-HQ-Old Engineering Building located within the NTUA business site located in Fort Defiance, Arizona. The instructions are to undertake an Asbestos Inspection of the property to identify any asbestos-containing materials (ACM) at the property and advise on collection of bulk Samples final Analytical Report. Recommendations if any asbestos-containing materials that may be present.

An inspection of the property was undertaken by Elaine Stewart from ANE, Inc. on October 5, 2020, certification (*appendix C*). Site owner NTUA allowed ANE access to facility for inspection.

Scope

The survey comprised a visual inspection of accessible areas at the property. The building is constructed of Metal Butler building. Interior has office spaces, storage rooms, conference rooms, main lobby, two-bathroom facility with entrance reception area. Interior ceiling tiles have some visual water damage throughout the ceiling (*Appendix E*). Interior is being vacated and all filings are boxed for future relocation to storage facility. Some Office furniture are still on site. The inspection identified that the interior Bulk Samples (CBM) interior floor tile mastic (yellow/Black) are positive. Floor tiles are homogenous and will be assumed to contain asbestos throughout the unit.

Analytical Results:

EMC Lab No: 0244013 –

POSITIVE results -floor tile mastic (yellow/black) for Asbestos containing materials (ACM) on bulk samples (*Appendix A*).

*Bulk asbestos analysis provides the following: percent asbestos content, asbestos mineral and quantification of the other fibrous materials identified in the sample. Sampling results show the Bulk samples tested positive for ACBM's:
chart below list 2 (two) that tested Positive ACM.*

	Lab ID:	Sample Description:	Friable:	Non-Friable:	Asbestos Type (%)
			Until Disturbed	Until Disturbed	
1.	NTUA-ENG-A	Layer 2- mastic, black	Yes	Yes	Chrysotile 5%
2.	NTUA-ENG-B	Layer 2- mastic, yellow/black	Yes	Yes	Chrysotile 5%

Finding of less than 1% which falls below EPA regulations will be addressed as Non-Asbestos materials.

Analytical Bulk samples on construction building materials (CBM) are analysis using Polarized Light Microscopy (PLM) methods. Nations Voluntary Laboratory Accreditation Program (NVLAP), Number 101926-0. The Samples were collected and submitted to the laboratory using established chain of custody procedures. Chain of custody recorded for samples is presented with laboratory analysis report in (*appendix B*).

Recommendations:

Where materials classified as asbestos containing materials (ACM) must be safely removed according to 40 CFR 61, subpart M the Asbestos NESHAP, under Sec 61.145 Standard for Demolition and Renovations, Regulation for Asbestos exposure in work (OSHA 29 CFR 1926.1101 Asbestos).

Prior to any Demolition and Renovations which may affect Asbestos Containing Materials (ACM's) all applicable local, state, and federal regulations must be complied with (i.e. Project Design specifications, EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) and local Notification, removal, project oversight, air monitoring, etc.).

Notify local, state, and federal air pollution officials by letter 10-working days prior to any renovations or demolition activities (NESHAP regulations).

We appreciated the opportunity work with you on this project. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office.

Sincerely,
All Nations Environmental, Inc.

Elaine Stewart, Sr. Project Manager

*Elaine Stewart is EPA-accredited AHERA building inspector License No: ON-4644-4116-060720
AHERA Management planner License No: 4611-4116-090320, AHERA Contract/Supervisor
Refresher License No: 4609-4116-090220.*

Appendix:

A-EMC Lab report

B-Chain of Custody

C-Certifications

D-Site Map

E-Site Photos

Appendix A
EMC LAB REPORT
NO: 0244013

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0244013

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ALL NATIONS ENVIRONMENTAL	Job# / P.O. #:	
Address:	P.O. BOX 38	Date Received:	10/07/2020
	FT. DEFIANCE AZ 86504	Date Analyzed:	10/08/2020
Collected:	10/06/2020	Date Reported:	10/08/2020
Project Name:	NTUA-OLD ENGINEER BLDG	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0244013-001 NTUA-ENG-A	N	LAYER 1 Floor Tile, White/ Lt. Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Black	Yes	Chrysotile 5%	Cellulose Fiber 2% Quartz Carbonates Binder/Filler 93%
0244013-002 NTUA-ENG-B	S	LAYER 1 Floor Tile, White/ Lt. Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Yellow/ Black	Yes	Chrysotile 5%	Cellulose Fiber 2% Quartz Carbonates Binder/Filler 93%
0244013-003 NTUA-ENG-C	E	LAYER 1 Floor Tile, White/ Lt. Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 3% Quartz Carbonates Binder/Filler 97%
0244013-004 NTUA-ENG-D	N	LAYER 1 Floor Tile, White/ Lt. Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 2% Quartz Carbonates Binder/Filler 98%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0244013

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Address:		Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0244013-005 NTUA-ENG-E		LAYER 1 Cove Base, Dk. Brown	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Adhesive, Yellow	No	None Detected	Cellulose Fiber Quartz Carbonates Binder/Filler 99%
		LAYER 3 Compound, White	No	None Detected	Cellulose Fiber Gypsum Mica Quartz Carbonates 99%
0244013-006 NTUA-ENG-F		LAYER 1 Cove Base, Dk. Brown	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Adhesive, Yellow	No	None Detected	Cellulose Fiber Quartz Carbonates Binder/Filler 98%
0244013-007 NTUA-ENG-G		Ceiling Tile, White/ Beige	No	None Detected	Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler 40% 40% 20%
0244013-008 NTUA-ENG-H		Ceiling Tile, White/ Beige	No	None Detected	Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler 40% 40% 20%

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Address:		Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0244013-009 NTUA-ENG-I	N. WALL	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Cellulose Fiber Gypsum Mica Quartz Binder/Filler	1% 99%
0244013-010 NTUA-ENG-J	S. WALL	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Cellulose Fiber Gypsum Mica Quartz Binder/Filler	<1% 99%
0244013-011 NTUA-ENG-K	E. WALL	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Cellulose Fiber Gypsum Mica Quartz Binder/Filler	<1% 99%

EMC LABS, INC.

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Project Name:	NTUA-OLD ENGINEER BLDG	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	ELAINE STEWART
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0244013-012 NTUA-ENG-L	W. WALL	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber	12%
					Gypsum Carbonates Mica Quartz	88%
		LAYER 2 Wall Paper, White/ Lt. Gray	No	None Detected	Cellulose Fiber	30%
					Carbonates Binder/Filler	70%
0244013-013 NTUA-ENG-M	CENTER	LAYER 1 Floor Tile, White/ Lt. Gray	No	None Detected	Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber	2%
					Quartz Carbonates Binder/Filler	98%


Analyst - Johann Hofer


Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Appendix B

Chain of Custody

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: 244013
 TAT: 1-2 days
 Rec'd: OCT 07 P.M.

COMPANY NAME: All Nations Environmental, Inc.
 Address: PO Box 38, Ft. Defiance, Arizona 86504
 CONTACT: Elaine Stewart
 Phone/Fax: 928-729-2802
 Email: 928-729-2927

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. TURNAROUND TIME: [Same Day Rush] [1-2 Days] [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required
 ****Additional charges for rush analysis (please call marketing department for pricing details)
 ****Laboratory analysis may be subject to delay if credit terms are not met

2. TYPE OF ANALYSIS: [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. DISPOSAL INSTRUCTIONS: [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: NTUA - Old Engineer Bldg.
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	NTUA-Eng-A	10-6-20	Floor tile - N	Y N			
2	NTUA-Eng-B	10-6-20	Floor tile - S	Y N			
3	NTUA-Eng-C	10-6-20	Floor tile - E	Y N			
4	NTUA-Eng-D	10-6-20	Floor tile - W	Y N			
5	NTUA-Eng-E	10-6-20	Ceiling	Y N			
6	NTUA-Eng-F	10-6-20	Ceiling	Y N			
7	NTUA-Eng-G	10-6-20	Ceiling	Y N			
8	NTUA-Eng-H	10-6-20	Ceiling	Y N			
9	NTUA-Eng-I		Sheetrock N wall	Y N			
10	NTUA-Eng-J		Sheetrock - S-wall	Y N			
11	NTUA-Eng-K		Sheetrock E-wall	Y N			
12	NTUA-Eng-L		Sheetrock W-wall	Y N			
13	NTUA-Eng-M		Handrail - Center	Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: Email Results

Sample Collector: (Print) Elaine Stewart (Signature) [Signature]

Relinquished by: _____ Date/Time: _____ Received by: Diana Federico Date/Time: 10/7/20 ^{940 an}

Relinquished by: Diana Federico Date/Time: 10/7/20 3:57 Received by: [Signature] Date/Time: 10-7-20

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

Appendix C

Certification

THE ASBESTOS INSTITUTE

Certifies that

Elaine Stewart

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

June 07, 2020


and successfully completed and passed the competency exam.

Certificate:
ON-4644-4116-060720

Date of Examination:
7-Jun-2020

Date of Expiration:
07-Jun-2021


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.

THE ASBESTOS INSTITUTE

Certifies that

Elaine Stewart

has attended and received instruction in the EPA approved course
AHERA Contractor/Supervisor Refresher

on

September 02, 2020

and successfully completed and passed the competency exam.

Certificate:
4609-116-090220

Date of Examination:

02-Sep-2020

Date of Expiration:

02-Sep-2021



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.

THE ASBESTOS INSTITUTE

Certifies that

Elaine Stewart

has attended and received instruction in the EPA approved course

AHERA Management Planner Refresher

on

September 03, 2020


and successfully completed and passed the competency exam.

Certificate:
4611-4116-090320

Date of Examination:
03-Sep-2020

Date of Expiration:
03-Sep-2021


Approved Instructor


William T. Cavness
Director

THE ASBESTOS INSTITUTE

20033 N. 19th Ave, Building 6, Phoenix, AZ 85027

602-864-6564 – www.theasbestosinstitute.com

Appendix D

Site Photo

Google Maps NTUA Double Wide Trailer



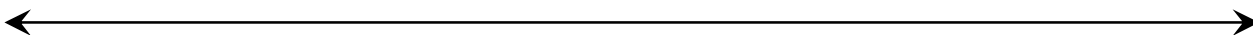
Map data ©2020 , Map data ©2020 20 ft



Exit Door on West side of building



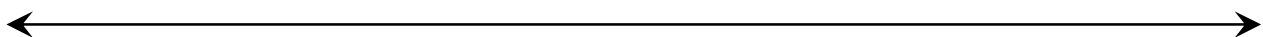
Multi Ceiling area have water damages from prior water leaks





Mail office area

All room dividers have been dismantling and offices are being relocated





Women Bathroom

