EnvironMETeo Services, Inc.
Environmental / Industrial Health & Safety

Project Specific Asbestos and Lead Paint Survey Report

For:

Bowers + Kubota

94-408 Akoki Street, #201A

Waipahu, Hawaii 96797

Facility Surveyed:

DLNR Anuenue Annex Facility

1001 Sand Island Parkway

Honolulu, Hawaii 96819

Project:

C00B091B Anuenue Fisheries Research Center

Annex Facility Improvements - Phase 1a (Building Improvements

Honolulu, Hawaii

Conducted by:

EnvironMETeo Services, Inc. (EMET)

94-520 Uke'e Street, Suite A

Waipahu, Hawaii 96797

Date of Report: July 15, 2025

EMET ID: 2409312

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone emet@emetservices.com...E-mail

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EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone emet@emetservices.com...E-mail

Certification of Report

We certify that this report is based on a physical survey of EMET scope of work areas as impacted by this project at DLNR Anuenue Fisheries Research Center Annex Facility, located at 1001 Sand Island Parkway, Honolulu, Hawaii. The survey included an inspection for asbestos-containing materials (ACM) and lead paint on surfaces/building components.

The survey was conducted by EnvironMETeo Services, Inc. (EMET) on June 20, 2025 and was limited to the following scope of work:

Asbestos/Lead Paint Investigation

1. Inspection, evaluation, and sample collection of suspect asbestos-containing materials by EPA-accredited inspectors in accordance with H.A.R. 11-501 from the following:

   Office/Warehouse Building

   - interior
   - exterior excluding roof

   20 Tank-like Structures*

   - interior – no work
   - exterior excluding roof

2. Lead paint inspection by EPA-accredited inspectors from the areas indicated in item 1.

* The tank-like structures were demolished and removed from the site prior to EMET's visit. EMET did not inspect these structures intact or demolished.

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The survey results are based on analyses of samples of suspect materials collected from visually and physically accessible areas/materials.

Bulk samples of suspect asbestos-containing materials taken during the survey were analyzed for asbestos content by a National Institute of Standards and Technology (NIST) accredited laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP) for asbestos fiber analysis. Laboratory analyses performed by Polarized Light Microscopy (PLM) for asbestos identification are in accordance with U.S. Environmental Protection Agency (EPA) Test Method 600/R-93/116.

Painted surfaces were tested for lead concentrations using an X-Ray Fluorescence (XRF) spectrum analyzer, a testing methodology approved by the EPA and the U.S. Department of Housing and Urban Development (HUD).

EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

Bronson Groendyke
Asbestos Building Inspector
Hawaii State Certification # HIASB-4452
Lead Based Paint Risk Assessor
Hawaii State Certification # PB-1099

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Summary

EnvironMETeo Services, Inc. (EMET) conducted a survey for asbestos-containing materials (ACM) and lead paint on surfaces/building components at the DLNR Anuenue Fisheries Research Center Annex Facility, located at 1001 Sand Island Parkway, Honolulu, Hawaii, on June 20, 2025. Bronson Groendyke and Nathaniel Magsipoc of EMET conducted the survey in accordance with Hawaii Administrative Rules (H.A.R) 11-501 as well as EMET's scope of work. The survey was requested and authorized by Julius Vergabera of Bowers + Kubota and was performed in preparation for planned renovations.

This report is for informational purposes only and should only be used as such. This report is not a specification and should not be used as such.

Asbestos Summary

Asbestos was not detected in the samples collected for this survey.

Lead Paint Summary

Based on XRF test results, lead-based paint (LBP) was detected on the following painted components.

LBP

yellow striping on concrete floor	-

The paints on the following testing combinations contain lead in a concentration of less than 1.0 mg/cm^2. The paints on theses surfaces are lead-containing paint (LCP). Paint on testing combinations similar to those identified with LBP or LCP should also be treated as LBP or LCP, respectively.

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LCP

yellow paint on metal railings	yellow paint on metal guardrails
gray paint on metal pipes	red paint on metal pipes
gray paint on metal door frames	yellow paint on concrete posts
gray paint on metal shelves	-

Some of the painted surfaces tested using the XRF analyzer may have paint with lead at concentrations below the instrument level of detection (0.01 mg/cm^2).

Workers disturbing paint which may cause exposure to airborne lead must abide by the OSHA Lead in Construction standard.

Asbestos-Containing Material

The State of Hawaii, OSHA, and EPA define ACM as any material containing more than one percent asbestos by area. This definition can be found in the following regulations:

- Hawaii Administrative Rules (HAR), Title 11, Department of Health, Chapter 501 (11-501), *Asbestos Requirements.*
- 29 CFR 1926.1101 Occupational Safety and Health Administration (OSHA), *Asbestos Standards for the Construction Industry.*
- EPA 40 CFR Part 61, Subpart M - National Emission Standards for Hazardous Air Pollutants (NESHAP), Final Rule revised July 20, 2004, *National Emission Standard for Asbestos.*

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Asbestos Bulk Sampling

A total of nine (9) samples of suspect ACM were collected and analyzed. The samples were placed in plastic containers with a unique identification number assigned to each sample and entered on a field data sheet. The sample locations were indicated on the field drawings shown in Appendix B.

Samples were collected of the following observed suspect asbestos-containing material:

1st Floor Suspect ACM

off-white caulking at plumbing fixture	white caulking at door frame
white caulking at metal louvers	black caulking at window frame
4" blue covebase	beige adhesive beneath 4" blue covebase
gypsum wallboard/mudjoint wall system	gray skim coat
2' x 4' white fissured pinhole acoustical ceiling tile	2' x 4' white textured acoustical ceiling tile
gray grout	yellow carpet adhesive
white patch/sealant	-

2nd Floor Suspect ACM

gray covebase	beige adhesive beneath gray covebase
white fissured pinhole acoustical ceiling tile	white textured acoustical ceiling tile
4" blue covebase	beige adhesive beneath 4" blue covebase
yellow carpet adhesive	gypsum wallboard/mudjoint wall system
black caulking at window frame	-

The yellow fiberglass ceiling insulation with plastic wrap, pink fiberglass wall insulation, and orange spray foam filler observed on both floors of the building are not suspect for ACM.

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Asbestos Analyses

Bulk samples were analyzed for asbestos using Polarized Light Microscopy (PLM) for the identification of asbestos, in accordance with EPA Test Method 600/R-93/116. Laboratory analytical data sheets are provided in Appendix A.

Based on the visual inspection and laboratory results of the samples collected, ACM was not detected as a result of this survey.

Lead Paint

U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition, defines lead-based paint (LBP) as paint with a lead content greater than or equal to 1.0 milligrams per square centimeter (mg/cm^2). The concentration 1.0 mg/cm^2 is equivalent to 5000 parts per million (ppm) and 0.5 percent weight (% wt.). EPA regulation 40 CFR Part 745 *Lead-based Paint Activities* similarly defines LBP as stated in HUD regulations.

OSHA regulates any activity disturbing paint that contains lead (referred to as lead-containing paint or LCP), even if the lead content is below the EPA/HUD standard for lead-based paint.

XRF test results of painted surfaces equal to or greater than 1.0 mg/cm^2 are defined as LBP in accordance with EPA and HUD regulations.

Lead Paint Sampling and Analyses

Painted surfaces were analyzed for lead using an XRF analyzer. A total of 88 analyses of painted surfaces/building components and calibrations were performed. A unique identification number was assigned to each test location and entered on a field data sheet.

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The ID number, location, description, and lead concentration of each sample is indicated in the XRF analyzer test results, which are provided in Appendix C.

The test results indicate that a lead content equal to or greater than 1.0 mg/cm^2 was detected in paints on the following testing combinations:

LBP Details

XRF No. and Location	Testing Combination Component/Substrate	Condition	Color
67, interior warehouse	floor / concrete	intact	yellow

The paints on the following tested surfaces are confirmed to contain lead in concentrations of less than 1.0 mg/cm^2. The paints on these surfaces are LCP. Testing combinations similar to those identified with LBP or LCP should also be treated as having LBP or LCP, respectively.

Workers disturbing paint which may cause airborne exposure to lead must abide by the OSHA Lead in Construction standard.

LCP Details

Location	Testing Combination Component/Substrate	Condition	Color
Interior warehouse area	railing / metal	intact	yellow
Interior warehouse area	door frame / metal	intact	gray
Interior warehouse area	post / concrete	intact	yellow
Interior warehouse area	pipe / metal	intact	gray
Interior warehouse area	pipe / metal	intact	red
Interior warehouse area	shelf / metal	intact	gray
Exterior	guardrail / metal	intact	yellow
Exterior	post / concrete	intact	yellow

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Some of the painted surfaces tested may have paint with lead at concentrations below the instrument level of detection (0.01 mg/cm^2).

Painted surfaces may vary in paint type, color, and condition. Any damaged painted surfaces may vary significantly from area to area in terms of the condition and degree of damage. The results provide the lead content of all paint layers in a tested surface, as there may be more than one layer of paint on the tested surface.

Limitations

This hazardous materials survey was performed to identify suspect materials in areas scheduled for planned renovations. Original building plans and specifications and those for past renovations, if any, were not available for review.

Because of these limitations, the highly variable nature of building construction, and the limits to the survey as defined by EMET's scope of work, the potential remains for undiscovered hazardous materials.

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Appendix A

Asbestos Survey Report

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
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Building Information Sheet

Job Code /EMET ID	Client Name	Inspection date
2409312	Bowers + Kubota Consulting	6/20/2025

Building Number	Building Name	No. of Floors Surveyed
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2

Location

1001 Sand Island Access Rd.
Honolulu, HI 96819

No. of Other Levels Surveyed: 0

Building Construction Type

STEEL FRAME

Structural Concrete with: Metal Decks, Flat Slab, Beam/Joist or Waffle Slabs; Structural Tees
Steel Frame
Wood Frame
Load Bearing Masonry

Building Use		% Floor Space
Use #1	WAREHOUSE	100
Use #2		
Use #3		

Academic Classes, Administration Offices, Food Services, Dormitory, Mechanical Spaces, Gymnasium, Laboratory, Library, Residential or Other (Specify)

ACBM PRESENT?

NO

YES = PRESENT
NO = NOT PRESENT
ASM = ASSUMED

Inspector Identification

Name: Bronson Groendyke
State of HI Certification No. HIASB-4452
State of HI Certification Expiration Date: 3/14/2026
Building Inspector Certification Exp. Date: 11/18/2026

Specific areas surveyed

interior and exterior excluding roof

Inspector Comments

EMET's scope of work was limited to the areas listed above in Specific Areas Surveyed. This report is not a specification for the removal of asbestos-containing material and should not be used as such. Results of the presence or absence of asbestos are based on the survey and on analyses of the suspect materials encountered. Original building plans and specifications were not available for review. Therefore, because of these limitations and the highly variable nature of building construction, the potential remains for undiscovered ACM. EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

EMET Services, Inc. • 94-520 Uke`e Street, Suite A • Waipahu, Hawaii 96797
Phone: (808) 671-8383 • FAX: (808) 671-7979

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name
AAF | ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Building Location
1001 Sand Island Access Rd.
Honolulu, HI 96819

EMET ID
2409312

For the ACM - Space Identified as:
312-AAF-1

Inspection Date(s): 6/20/2025

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
312-AAF-1A	OFF-WHITE CAULKING AT PLUMBING FIXTURE		YES	NO						
312-AAF-1B	WHITE CAULKING AT DOOR FRAME		YES	NO						
312-AAF-1C	WHITE CAULKING AT METAL LOUVERS		YES	NO						
312-AAF-1D	GRAY GROUT		YES	NO						
312-AAF-1E	WHITE PATCH/SEALANT		YES	NO						
312-AAF-1F	4" BLUE COVEBASE		YES	NO						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name
AAF — ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Building Location
1001 Sand Island Access Rd.
Honolulu, HI 96819

EMET ID
2409312

For the ACM - Space Identified as:
312-AAF-1

Inspection Date(s): 6/20/2025

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Fnable	T	DC	PD		
312-AAF-1G	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE		YES	NO						
312-AAF-1H	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM		YES	NO						
312-AAF-1I	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO						
312-AAF-1J	BLACK CAULKING AT WINDOW FRAME		YES	NO						
312-AAF-1K	GRAY SKIM COAT		YES	NO						
312-AAF-1L	2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE		YES	NO						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
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Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name
AAF | ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Building Location
1001 Sand Island Access Rd.
Honolulu, HI 96819

EMET ID
2409312

For the ACM - Space Identified as:
312-AAF-1

Inspection Date(s): 6/20/2025

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
312-AAF-1M	YELLOW FIBERGLASS INSULATION WITH PLASTIC WRAP	deemed not suspect ACM by certified Asbestos Building Inspector	NO							
312-AAF-1N	PINK FIBERGLASS WALL INSULATION	deemed not suspect ACM by certified Asbestos Building Inspector	NO							
312-AAF-1O	ORANGE SPRAY FOAM FILLER	deemed not suspect ACM by certified Asbestos Building Inspector	NO							
312-AAF-1P	YELLOW CARPET ADHESIVE		YES	NO						

*** Refers to Material Type and Damage Conditions**

T = Material Type	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1A	OFF-WHITE CAULKING AT PLUMBING FIXTURE		312-AAF-1A

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
OFF-WHITE CAULKING AT PLUMBING FIXTURE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1A1, 312-AAF-1A2, 312-AAF-1A3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Phone: (808) 671-8383 • FAX: (808) 671-7979

Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1A	OFF-WHITE CAULKING AT PLUMBING FIXTURE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1A1	0	OFF-WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 312-AAF-1
312-AAF-1A2	0	OFF-WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 312-AAF-1
312-AAF-1A3	0	OFF-WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1A Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-001	312-AAF-1A1	white	Yes	No	-	-	misc. part.	
					-	-	100	
312-002	312-AAF-1A2	white	Yes	No	-	-	misc. part.	
					-	-	100	
312-003	312-AAF-1A3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1B	WHITE CAULKING AT DOOR FRAME		312-AAF-1B

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
WHITE CAULKING AT DOOR FRAME	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	- -	--	- -	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1B1, 312-AAF-1B2, 312-AAF-1B3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1B	WHITE CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1B1	0	WHITE CAULKING AT DOOR FRAME	See Sketch 312-AAF-1
312-AAF-1B2	0	WHITE CAULKING AT DOOR FRAME	See Sketch 312-AAF-1
312-AAF-1B3	0	WHITE CAULKING AT DOOR FRAME	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1B Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-004	312-AAF-1B1	white, gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-005	312-AAF-1B2	white	Yes	No	-	-	misc. part.	
					-	-	100	
312-006	312-AAF-1B3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Unified Sample Area Number
312-AAF-1C	WHITE CAULKING AT METAL LOUVERS	312-AAF-1C

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
WHITE CAULKING AT METAL LOUVERS	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	- -	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1C1, 312-AAF-1C2, 312-AAF-1C3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1C	WHITE CAULKING AT METAL LOUVERS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1C1	0	WHITE CAULKING AT METAL LOUVERS	See Sketch 312-AAF-1
312-AAF-1C2	0	WHITE CAULKING AT METAL LOUVERS	See Sketch 312-AAF-1
312-AAF-1C3	0	WHITE CAULKING AT METAL LOUVERS	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1C | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-007	312-AAF-1C1	white	Yes	No	-	-	misc. part.	
					-	-	100	
312-008	312-AAF-1C2	white	Yes	No	-	-	misc. part.	
					-	-	100	
312-009	312-AAF-1C3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Unified Sample Area Number
312-AAF-1D	GRAY GROUT	312-AAF-1D

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
GRAY GROUT	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1D1, 312-AAF-1D2, 312-AAF-1D3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1D	GRAY GROUT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1D1	0	GRAY GROUT	See Sketch 312-AAF-1
312-AAF-1D2	0	GRAY GROUT	See Sketch 312-AAF-1
312-AAF-1D3	0	GRAY GROUT	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1D Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-010	312-AAF-1D1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-011	312-AAF-1D2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-012	312-AAF-1D3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1E	WHITE PATCH/SEALANT		312-AAF-1E

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
WHITE PATCH/SEALANT	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1E1, 312-AAF-1E2, 312-AAF-1E3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1E	WHITE PATCH/SEALANT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1E1	0	WHITE PATCH/SEALANT	See Sketch 312-AAF-1
312-AAF-1E2	0	WHITE PATCH/SEALANT	See Sketch 312-AAF-1
312-AAF-1E3	0	WHITE PATCH/SEALANT	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1E | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-013	312-AAF-1E1	gray, white	Yes	No	-	-	misc. part.	
					-	-	100	
312-014	312-AAF-1E2	gray, white	Yes	No	-	-	misc. part.	
					-	-	100	
312-015	312-AAF-1E3	gray, white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Unified Sample Area Number
312-AAF-1F	4" BLUE COVEBASE	312-AAF-1F

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
4" BLUE COVEBASE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1F1, 312-AAF-1F2, 312-AAF-1F3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1F	4" BLUE COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1F1	0	4" BLUE COVEBASE	See Sketch 312-AAF-1
312-AAF-1F2	0	4" BLUE COVEBASE	See Sketch 312-AAF-1
312-AAF-1F3	0	4" BLUE COVEBASE	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1F | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-016	312-AAF-1F1	blue	Yes	No	-	-	misc. part.	
					-	-	100	
312-018	312-AAF-1F2	blue	Yes	No	-	-	misc. part.	
					-	-	100	
312-020	312-AAF-1F3	blue	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1G	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE		312-AAF-1G

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1G1, 312-AAF-1G2, 312-AAF-1G3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1G	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1G1	0	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	See Sketch 312-AAF-1
312-AAF-1G2	0	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	See Sketch 312-AAF-1
312-AAF-1G3	0	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1G | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-017	312-AAF-1G1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
312-019	312-AAF-1G2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
312-021	312-AAF-1G3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1H	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM		312-AAF-1H

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

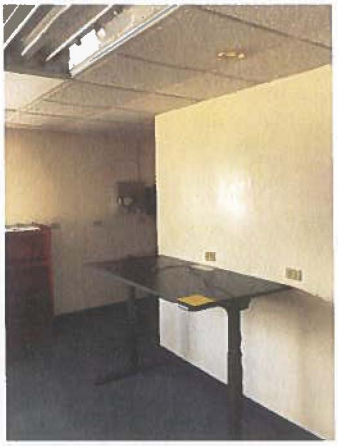
Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	- -	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1H1, 312-AAF-1H2, 312-AAF-1H3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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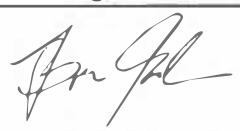
Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1H	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1H1	0	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	See Sketch 312-AAF-1
312-AAF-1H2	0	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	See Sketch 312-AAF-1
312-AAF-1H3	0	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1H Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-022	312-AAF-1H1	white, brown	Yes	No	-	cellulose, glass	misc. part.	
					-	11	89	
312-023	312-AAF-1H2	white, brown	Yes	No	-	cellulose, glass	misc. part.	
					-	11	89	
312-024	312-AAF-1H3	white, brown	Yes	No	-	cellulose, glass	misc. part.	
					-	11	89	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1I	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		312-AAF-1I

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1I1, 312-AAF-1I2, 312-AAF-1I3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1I	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1I1	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 312-AAF-1
312-AAF-1I2	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 312-AAF-1
312-AAF-1I3	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1I Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-025	312-AAF-1I1	gray, white	Yes	No	-	min. wool	misc. part.	
					-	80	20	
312-026	312-AAF-1I2	gray, white	Yes	No	-	min. wool	misc. part.	
					-	80	20	
312-027	312-AAF-1I3	gray, white	Yes	No	-	min. wool	misc. part.	
					-	90	10	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1J	BLACK CAULKING AT WINDOW FRAME		312-AAF-1J

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
BLACK CAULKING AT WINDOW FRAME	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1J1, 312-AAF-1J2, 312-AAF-1J3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1J	BLACK CAULKING AT WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1J1	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 312-AAF-1
312-AAF-1J2	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 312-AAF-1
312-AAF-1J3	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1J Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-028	312-AAF-1J1	black	Yes	No	-	-	misc. part.	
					-	-	100	
312-029	312-AAF-1J2	black	Yes	No	-	-	misc. part.	
					-	-	100	
312-030	312-AAF-1J3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Unified Sample Area Number
312-AAF-1K	GRAY SKIM COAT	312-AAF-1K

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
GRAY SKIM COAT	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

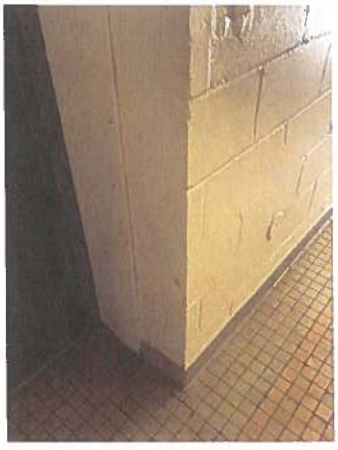
Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1K1, 312-AAF-1K2, 312-AAF-1K3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1K	GRAY S KIM COAT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1K1	0	GRAY SKIM COAT	See Sketch 312-AAF-1
312-AAF-1K2	0	GRAY SKIM COAT	See Sketch 312-AAF-1
312-AAF-1K3	0	GRAY SKIM COAT	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1K Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-031	312-AAF-1K1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-032	312-AAF-1K2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-033	312-AAF-1K3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Unified Sample Area Number
312-AAF-1L	2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE	312-AAF-1L

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

PHOTOGRAPH

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1L1, 312-AAF-1L2, 312-AAF-1L3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1L	2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1L1	0	2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE	See Sketch 312-AAF-1
312-AAF-1L2	0	2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE	See Sketch 312-AAF-1
312-AAF-1L3	0	2' X 4' WHITE TEXTURED ACOUSTICAL CEILING TILE	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1L | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-034	312-AAF-1L1	white, beige	Yes	No	-	cellulose, min. wool	misc. part.	
					-	80	20	
312-035	312-AAF-1L2	white, beige	Yes	No	-	cellulose, min. wool	misc. part.	
					-	80	20	
312-036	312-AAF-1L3	white, beige	Yes	No	-	cellulose, min. wool	misc. part.	
					-	80	20	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1M	YELLOW FIBERGLASS INSULATION WITH PLASTIC WRAP		312-AAF-1M

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
YELLOW FIBERGLASS INSULATION WITH PLASTIC WRAP deemed not suspect ACM by certified Asbestos Building Inspector	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI	5500		
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	5500		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±11000		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface

Air Movement	Proximity to Repair Items	Activity

PHOTOGRAPH

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	N/A
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1N	PINK FIBERGLASS WALL INSULATION		312-AAF-1N

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
PINK FIBERGLASS WALL INSULATION deemed not suspect ACM by certified Asbestos Building Inspector	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	8		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±8		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

PHOTOGRAPH

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	N/A
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-1O	ORANGE SPRAY FOAM FILLER		312-AAF-1O

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

ORANGE SPRAY FOAM FILLER

deemed not suspect ACM by certified Asbestos Building Inspector

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

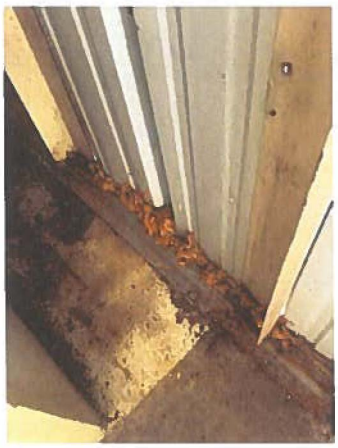
SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	10		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±10		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
Visible	**Reachable**	**Texture**
Barriers	**Ventilation**	**If Yes** / **Friable Surface**
Air Movement	**Proximity to Repair Items**	**Activity**

PHOTOGRAPH



SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	N/A
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description: 312-AAF-1P — YELLOW CARPET ADHESIVE

Document Number:

Drawing/Sketch Number:

Unified Sample Area Number: 312-AAF-1P

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
YELLOW CARPET ADHESIVE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-1P1, 312-AAF-1P2, 312-AAF-1P3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-1P	YELLOW CARPET ADHESIVE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-1P1	0	YELLOW CARPET ADHESIVE	See Sketch 312-AAF-1
312-AAF-1P2	0	YELLOW CARPET ADHESIVE	See Sketch 312-AAF-1
312-AAF-1P3	0	YELLOW CARPET ADHESIVE	See Sketch 312-AAF-1

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-1P | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-037	312-AAF-1P1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
312-038	312-AAF-1P2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
312-039	312-AAF-1P3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name
AAF | ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Building Location
1001 Sand Island Access Rd.
Honolulu, HI 96819

EMET ID
2409312

For the ACM - Space Identified as:
312-AAF-2

Inspection Date(s): 6/20/2025

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
312-AAF-2A	GRAY COVEBASE		YES	NO						
312-AAF-2B	BEIGE ADHESIVE BENEATH GRAY COVEBASE		YES	NO						
312-AAF-2C	WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO						
312-AAF-2D	BLACK CAULKING AT WINDOW FRAME		YES	NO						
312-AAF-2E	YELLOW CARPET ADHESIVE		YES	NO						
312-AAF-2F	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM		YES	NO						

*** Refers to Material Type and Damage Conditions**

T = Material Type	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name
AAF | ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Building Location
1001 Sand Island Access Rd.
Honolulu, HI 96819

EMET ID
2409312

For the ACM - Space Identified as:
312-AAF-2

Inspection Date(s): 6/20/2025

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
312-AAF-2G	WHITE TEXTURED ACOUSTICAL CEILING TILE		YES	NO						
312-AAF-2H	4" BLUE COVEBASE		YES	NO						
312-AAF-2I	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE		YES	NO						
312-AAF-2J	PINK FIBERGLASS WALL INSULATION	deemed not suspect ACM by certified Asbestos Building Inspector	NO							

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Unified Sample Area Number
312-AAF-2A	GRAY COVEBASE	312-AAF-2A

Document Number:

Drawing/Sketch Number:

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Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
GRAY COVEBASE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2A1, 312-AAF-2A2, 312-AAF-2A3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

No Photograph

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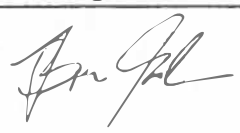
Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2A	GRAY COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2A1	0	GRAY COVEBASE	See Sketch 312-AAF-2
312-AAF-2A2	0	GRAY COVEBASE	See Sketch 312-AAF-2
312-AAF-2A3	0	GRAY COVEBASE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2A | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-040	312-AAF-2A1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-042	312-AAF-2A2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
312-044	312-AAF-2A3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Document Number	Material ID and Description		Unified Sample Area Number
	312-AAF-2B	BEIGE ADHESIVE BENEATH GRAY COVEBASE	312-AAF-2B

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
BEIGE ADHESIVE BENEATH GRAY COVEBASE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	- -	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2B1, 312-AAF-2B2, 312-AAF-2B3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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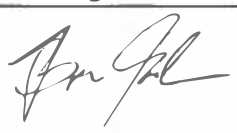
Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2B	BEIGE ADHESIVE BENEATH GRAY COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2B1	0	BEIGE ADHESIVE BENEATH GRAY COVEBASE	See Sketch 312-AAF-2
312-AAF-2B2	0	BEIGE ADHESIVE BENEATH GRAY COVEBASE	See Sketch 312-AAF-2
312-AAF-2B3	0	BEIGE ADHESIVE BENEATH GRAY COVEBASE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2B Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-041	312-AAF-2B1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
312-043	312-AAF-2B2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
312-045	312-AAF-2B3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2C	WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		312-AAF-2C

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

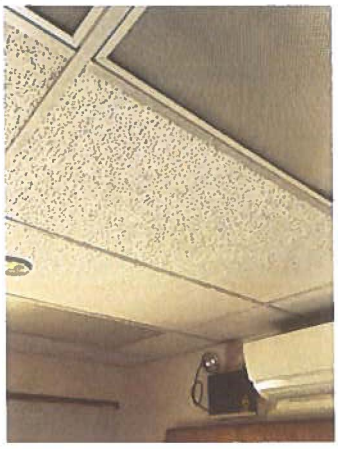
Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2C1, 312-AAF-2C2, 312-AAF-2C3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Phone: (808) 671-8383 • FAX: (808) 671-7979

Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2C	WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2C1	0	WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 312-AAF-2
312-AAF-2C2	0	WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 312-AAF-2
312-AAF-2C3	0	WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2C | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-046	312-AAF-2C1	gray, white	Yes	No	-	min. wool, cellulose	misc. part.	
					-	81	19	
312-047	312-AAF-2C2	gray, white	Yes	No	-	min. wool, cellulose	misc. part.	
					-	81	19	
312-048	312-AAF-2C3	gray, white	Yes	No	-	min. wool, cellulose	misc. part.	
					-	81	19	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2D	BLACK CAULKING AT WINDOW FRAME		312-AAF-2D

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
BLACK CAULKING AT WINDOW FRAME	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2D1, 312-AAF-2D2, 312-AAF-2D3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2D	BLACK CAULKING AT WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2D1	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 312-AAF-2
312-AAF-2D2	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 312-AAF-2
312-AAF-2D3	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2D | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-049	312-AAF-2D1	black	Yes	No	-	-	misc. part.	
					-	-	100	
312-050	312-AAF-2D2	black	Yes	No	-	-	misc. part.	
					-	-	100	
312-051	312-AAF-2D3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2E	YELLOW CARPET ADHESIVE		312-AAF-2E

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
YELLOW CARPET ADHESIVE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2E1, 312-AAF-2E2, 312-AAF-2E3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

No Photograph

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2E	YELLOW CARPET ADHESIVE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2E1	0	YELLOW CARPET ADHESIVE	See Sketch 312-AAF-2
312-AAF-2E2	0	YELLOW CARPET ADHESIVE	See Sketch 312-AAF-2
312-AAF-2E3	0	YELLOW CARPET ADHESIVE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

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Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2E | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-052	312-AAF-2E1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
312-053	312-AAF-2E2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
312-054	312-AAF-2E3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2F	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM		312-AAF-2F

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2F1, 312-AAF-2F2, 312-AAF-2F3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2F	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2F1	0	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	See Sketch 312-AAF-2
312-AAF-2F2	0	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	See Sketch 312-AAF-2
312-AAF-2F3	0	GYPSUM WALLBOARD/MUDJOINT WALL SYSTEM	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2F Analysis Date: 7/2/2025 Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-055	312-AAF-2F1	white, brown	Yes	No	-	cellulose, glass	misc. part.	
					-	10	90	
312-056	312-AAF-2F2	white, brown	Yes	No	-	cellulose, glass	misc. part.	
					-	10	90	
312-057	312-AAF-2F3	white, brown	Yes	No	-	cellulose, glass	misc. part.	
					-	10	90	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2G	WHITE TEXTURED ACOUSTICAL CEILING TILE		312-AAF-2G

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
WHITE TEXTURED ACOUSTICAL CEILING TILE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

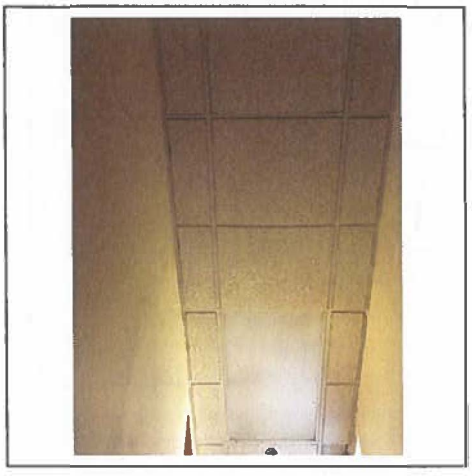
Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2G1, 312-AAF-2G2, 312-AAF-2G3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2G	WHITE TEXTURED ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2G1	0	WHITE TEXTURED ACOUSTICAL CEILING TILE	See Sketch 312-AAF-2
312-AAF-2G2	0	WHITE TEXTURED ACOUSTICAL CEILING TILE	See Sketch 312-AAF-2
312-AAF-2G3	0	WHITE TEXTURED ACOUSTICAL CEILING TILE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Approved Signatory:

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Sample/Homogeneous Area: 312-AAF-2G | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-058	312-AAF-2G1	white, beige	Yes	No	-	cellulose, min. wool	misc. part.	
					-	80	20	
312-059	312-AAF-2G2	white, beige	Yes	No	-	cellulose, min. wool	misc. part.	
					-	80	20	
312-060	312-AAF-2G3	white, beige	Yes	No	-	cellulose, min. wool	misc. part.	
					-	80	20	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2H	4" BLUE COVEBASE		312-AAF-2H

Drawing/Sketch Number

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
4" BLUE COVEBASE	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2H1, 312-AAF-2H2, 312-AAF-2H3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2H	4" BLUE COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2H1	0	4" BLUE COVEBASE	See Sketch 312-AAF-2
312-AAF-2H2	0	4" BLUE COVEBASE	See Sketch 312-AAF-2
312-AAF-2H3	0	4" BLUE COVEBASE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2H | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-061	312-AAF-2H1	blue	Yes	No	-	-	misc. part.	
					-	-	100	
312-063	312-AAF-2H2	blue	Yes	No	-	-	misc. part.	
					-	-	100	
312-065	312-AAF-2H3	blue	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	6/20/2025

Material ID and Description		Document Number	Unified Sample Area Number
312-AAF-2I	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE		312-AAF-2I

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--

Visible	Reachable	Texture
--	--	--

Barriers	Ventilation	If Yes	Friable Surface	
--	--	--	--	--

Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	312-AAF-2I1, 312-AAF-2I2, 312-AAF-2I3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

EMET Services, Inc. • 94-520 Uke`e Street, Suite A • Waipahu, Hawaii 96797
Phone: (808) 671-8383 • FAX: (808) 671-7979

Sample Log and Notes

Building Number and Name		EMET ID
AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	2409312

Sample Area/Lot Number and Name	
312-AAF-2I	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
312-AAF-2I1	0	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	See Sketch 312-AAF-2
312-AAF-2I2	0	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	See Sketch 312-AAF-2
312-AAF-2I3	0	BEIGE ADHESIVE BENEATH 4" BLUE COVEBASE	See Sketch 312-AAF-2

Inspector's Name	Signature	Date Samples Collected
Bronson Groendyke		6/20/2025

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with 40 CFR Part 763 Appendix E to Subpart E

NVLAP®

NVLAP LAB CODE 101807-0

Client: Bowers + Kubota Consulting

Address: 94-408 Akoki St., Suite 201A
Waipahu, HI 96797

Building: ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY

Address: 1001 Sand Island Access Rd.
Honolulu, HI 96819

Approved Signatory:

Sample/Homogeneous Area: 312-AAF-2I | Analysis Date: 7/2/2025 | Report Date: 7/2/2025

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
312-062	312-AAF-2I1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
312-064	312-AAF-2I2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
312-066	312-AAF-2I3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
2409312	AAF	ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY	

Document Number	Material ID and Description		Unified Sample Area Number
	312-AAF-2J	PINK FIBERGLASS WALL INSULATION	312-AAF-2J

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material	Location of Confirmed, Assumed, or New ACM within Building
PINK FIBERGLASS WALL INSULATION deemed not suspect ACM by certified Asbestos Building Inspector	Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	50		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±50		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	N/A
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

PHOTOGRAPH

EMET Services, Inc. • 94-520 Uke`e Street, Suite A • Waipahu, Hawaii 96797
Phone: (808) 671-8383 • FAX: (808) 671-7979

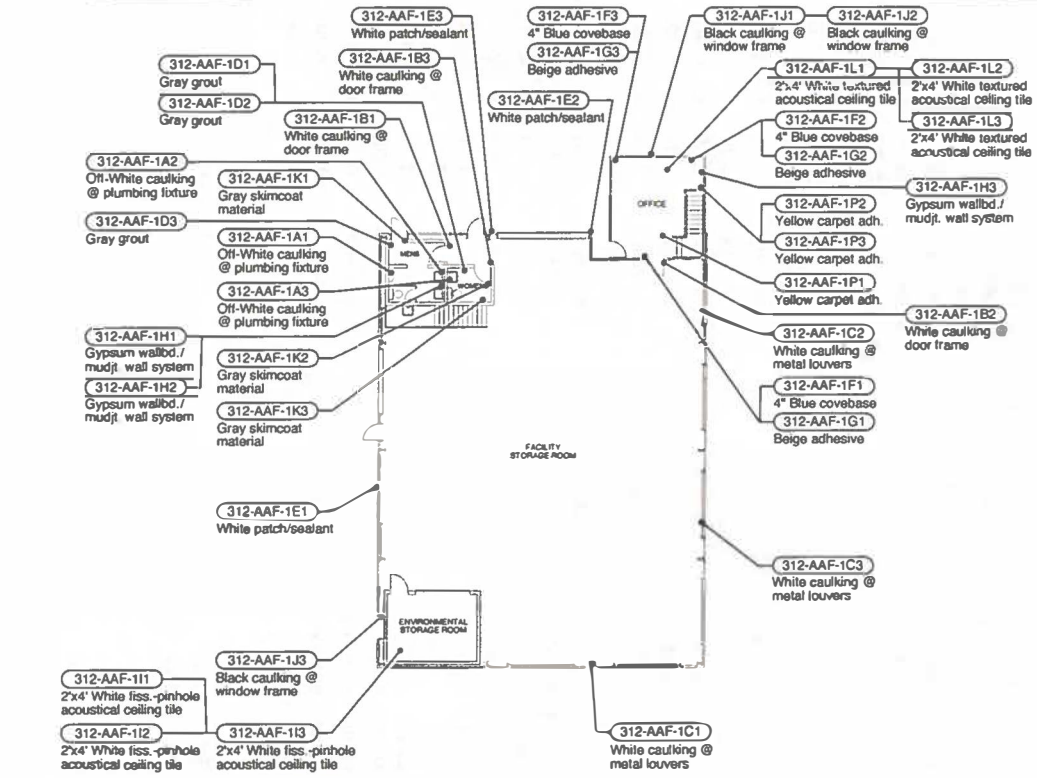
Appendix B

Asbestos Survey Sample Locations Sketch

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone emet@emetservices.com...E-mail

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF PROJECT SITE	ADDRESS	SKETCH #
AAF	ANUENUE ANNEX FACILITY	1001 SAND ISLAND PARKWAY HONOLULU, HI 96819	312-AAF-1 1 OF 1



LEGEND

ACM: SAMPLE #
NON-ACM: SAMPLE #
TRACES OF ACM: SAMPLE #
NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)*:

NO ACM DETECTED IN AREAS SAMPLED

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY. THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.

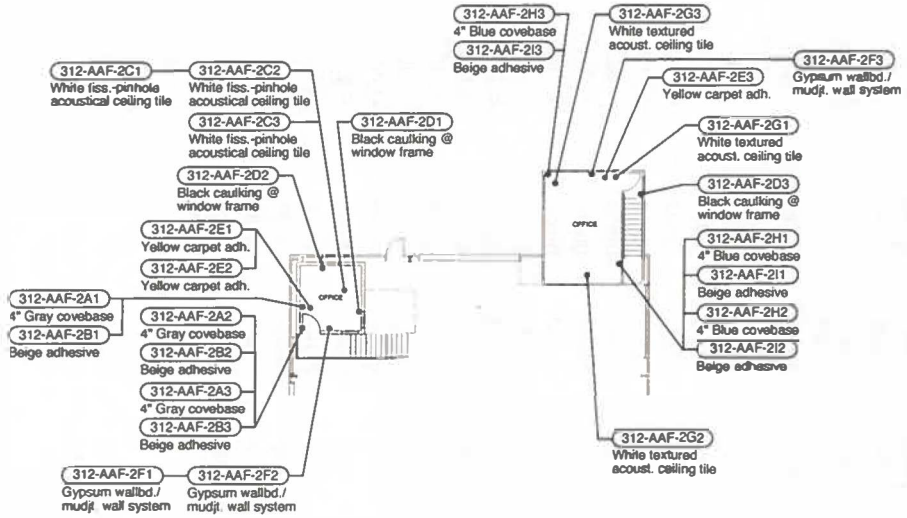
ANUENUE ANNEX FACILITY - FIRST FLOOR PLAN
NOT TO SCALE

EMET I.D. #2409312

EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF PROJECT SITE	ADDRESS	SKETCH #
AAF	ANUENUE ANNEX FACILITY	1001 SAND ISLAND PARKWAY HONOLULU, HI 96819	312-AAF-2 1 OF 1



LEGEND

ACM: SAMPLE #
NON-ACM: SAMPLE #
TRACES OF ACM: SAMPLE #
NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)*:

NO ACM DETECTED IN AREAS SAMPLED

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY. THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.

ANUENUE ANNEX FACILITY - SECOND FLOOR PLAN
NOT TO SCALE

EMET I.D. #2409312

Appendix C

Lead Paint Test Results

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone emet@emetservices.com...E-mail

EMET

Laboratory Report

Painted Surfaces Total Elemental Lead Analyses by X-Ray Fluorescence

EMET ID: 2409312 **Test Date: June 20, 2025**

C00BO91B Anuenue Annex Facility Improvement
Honolulu, HI

XRF#	Location	Component	Substrate	Condition	Color	Lead Pb (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
2	Calibration					1.05 ± 0.10		
3	Calibration					1.10 ± 0.10		
4	Calibration					1.06 ± 0.10		
5	2nd floor ewa side office	wall	gypboard	intact	white	<LOD ± 0.01	no	no
6	2nd floor ewa side office	wall	gypboard	intact	white	<LOD ± 0.01	no	no
7	2nd floor ewa side office	window frame	metal	intact	black	<LOD ± 0.01	no	no
8	2nd floor ewa side office	door	metal	intact	gray	<LOD ± 0.01	no	no
9	2nd floor ewa side office	door frame	metal	intact	gray	<LOD ± 0.01	no	no
10	2nd floor ewa side office	railing	metal	intact	gray	<LOD ± 0.01	no	no
11	2nd floor diamond side office	wall	gypboard	intact	white	<LOD ± 0.01	no	no
12	2nd floor diamond side office	soffit	gypboard	intact	white	<LOD ± 0.01	no	no
13	2nd floor diamond side office	window sill	wood	intact	stained	<LOD ± 0.01	no	no
14	2nd floor diamond side office	window frame	plaster	intact	black	<LOD ± 0.01	no	no
15	2nd floor diamond side office	door	wood	intact	stained	<LOD ± 0.01	no	no
16	1st floor diamond side office	wall	gypboard	intact	white	<LOD ± 0.01	no	no
17	1st floor diamond side office	wall	gypboard	intact	white	<LOD ± 0.01	no	no
18	1st floor diamond side office	railing	wood	intact	stained	<LOD ± 0.01	no	no
19	1st floor diamond side office	beam	metal	intact	white	<LOD ± 0.01	no	no
20	1st floor diamond side office	window frame	metal	intact	black	<LOD ± 0.01	no	no
21	1st floor diamond side office	window sill	wood	intact	stained	<LOD ± 0.01	no	no
22	1st floor diamond side office	door frame	metal	intact	white	<LOD ± 0.01	no	no
23	1st floor diamond side office	door	metal	intact	white	<LOD ± 0.01	no	no
24	1st floor women's restroom	wall	CMU	intact	white	<LOD ± 0.01	no	no
25	1st floor women's restroom	soffit	CMU	intact	white	<LOD ± 0.01	no	no
26	1st floor women's restroom	pipe	metal	intact	red	<LOD ± 0.01	no	no
27	1st floor women's restroom	celling	concrete	intact	white	<LOD ± 0.01	no	no
28	1st floor women's restroom	door frame	metal	intact	gray	<LOD ± 0.01	no	no
29	1st floor women's restroom	door	metal	intact	gray	<LOD ± 0.01	no	no
30	1st floor men's restroom	wall	CMU	intact	white	<LOD ± 0.01	no	no
31	1st floor men's restroom	pipe	metal	intact	red	<LOD ± 0.01	no	no
32	1st floor men's restroom	ceiling	concrete	intact	white	<LOD ± 0.01	no	no
33	1st floor men's restroom	door	metal	intact	gray	<LOD ± 0.01	no	no
34	1st floor men's restroom	door frame	metal	intact	gray	<LOD ± 0.01	no	no
35	1st floor storage	wall	CMU	intact	white	<LOD ± 0.01	no	no
36	1st floor storage	door frame	metal	intact	gray	<LOD ± 0.01	no	no
37	1st floor storage	Roll up gate frame	metal	intact	gray	<LOD ± 0.01	no	no
38	interior warehouse area	wall	metal	intact	gray	<LOD ± 0.02	no	no
39	interior warehouse area	railing	metal	intact	yellow	0.05 ± 0.02	no	yes
40	Interior warehouse area	beam	metal	intact	white	<LOD ± 0.01	no	no
41	Interior warehouse area	Louver frame	metal	intact	white	<LOD ± 0.01	no	no
42	interior warehouse area	Electrical box	metal	intact	gray	<LOD ± 0.01	no	no
43	interior warehouse area	door frame	metal	intact	gray	0.02 ± 0.01	no	yes
44	Interior warehouse area	door	metal	intact	gray	<LOD ± 0.01	no	no
45	Interior warehouse area	post	concrete	intact	yellow	0.07 ± 0.03	no	yes
46	interior warehouse area	wall	metal	intact	gray	<LOD ± 0.01	no	no

"Lead" column indicates the detected lead content in paint film in mg/cm² (milligrams per square centimeter).
<LOD = less than instrument level of detection, 0.01 mg/cm².

Lead-based paint (LBP) is defined as paint with a lead content greater than or equal to 1.0 milligrams per square centimeter (mg/cm²).

Occupational Safety and Health Administration (OSHA) regulates activities disturbing paint that contains any amount of lead (lead-containing paint or LCP), even if the content is below the HUD standard.

Serial #7798, Source Date 7/2021

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383 Telephone (808) 671-7979 Facsimile emet@emetservices.com E-mail

EMET

EMET ID: 2409312 **Test Date: June 20, 2025**

C00BO91B Anuenue Annex Facility Improvement
Honolulu, HI

XRF#	Location	Component	Substrate	Condition	Color	Lead Pb (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
47	Interior warehouse area	beam	metal	intact	white	<LOD ± 0.01	no	no
48	Interior warehouse area	Roll up gate	metal	intact	white	<LOD ± 0.01	no	no
49	Interior warehouse area	door frame	metal	intact	gray	<LOD ± 0.01	no	no
50	Interior warehouse area	door	metal	intact	gray	<LOD ± 0.01	no	no
51	Interior warehouse area	wall	metal	intact	white	<LOD ± 0.01	no	no
52	Interior warehouse area	Louver frame	metal	intact	white	<LOD ± 0.01	no	no
53	Interior warehouse area	Louver frame	metal	intact	white	<LOD ± 0.01	no	no
54	Interior warehouse area	beam	metal	intact	white	<LOD ± 0.01	no	no
55	Interior warehouse area	pipe	metal	intact	gray	0.19 ± 0.07	no	yes
56	Interior warehouse area	shelf	metal	intact	gray	0.07 ± 0.03	no	yes
57	Interior warehouse area	shelf	metal	intact	gray	0.06 ± 0.02	no	yes
58	Interior warehouse area	shelf	metal	intact	orange	<LOD ± 0.01	no	no
59	Interior warehouse area	shelf	metal	intact	orange	<LOD ± 0.01	no	no
60	Interior warehouse area	pipe	metal	intact	red	0.03 ± 0.01	no	yes
61	Interior warehouse area	pipe	metal	intact	red	0.04 ± 0.01	no	yes
62	Interior warehouse area	post	concrete	intact	yellow	<LOD ± 0.03	no	no
63	Interior warehouse area	post	metal	intact	red	0.62 ± 0.10	no	yes
64	Interior warehouse area	wall	metal	intact	gray	<LOD ± 0.01	no	no
65	Interior warehouse area	beam	metal	intact	gray	<LOD ± 0.01	no	no
66	Interior warehouse area	pipe	metal	intact	gray	<LOD ± 0.02	no	no
67	**Interior warehouse area**	**floor**	**concrete**	**Intact**	**yellow**	**4.16 ± 0.24**	**yes**	**yes**
68	Exterior	wall	metal	intact	white	<LOD ± 0.01	no	no
69	Exterior	door	metal	intact	gray	<LOD ± 0.01	no	no
70	Exterior	door frame	metal	intact	gray	<LOD ± 0.01	no	no
71	Exterior	guardrail	metal	intact	yellow	0.03 ± 0.02	no	yes
72	Exterior	louver	metal	intact	gray	<LOD ± 0.01	no	no
73	Exterior	window frame	metal	intact	gray	<LOD ± 0.01	no	no
74	Exterior	window frame	metal	intact	black	<LOD ± 0.01	no	no
75	Exterior	pipe	metal	intact	gray	<LOD ± 0.01	no	no
76	Exterior	wall	metal	intact	white	<LOD ± 0.01	no	no
77	NULL							
78	Exterior	louver	metal	intact	gray	<LOD ± 0.01	no	no
79	Exterior	wall	metal	intact	white	<LOD ± 0.01	no	no
80	Exterior	louver	metal	intact	gray	<LOD ± 0.01	no	no
81	Exterior	wall	metal	intact	white	<LOD ± 0.01	no	no
82	Exterior	window frame	metal	intact	black	<LOD ± 0.01	no	no
83	Exterior	post	concrete	intact	yellow	0.03 ± 0.02	no	yes
84	Exterior	wall	metal	intact	yellow	<LOD ± 0.01	no	no
85	Exterior	door	metal	intact	gray	<LOD ± 0.01	no	no
86	Exterior	door frame	metal	intact	gray	<LOD ± 0.01	no	no
87	Calibration					1.17 ± 0.10		
88	Calibration					1.04 ± 0.10		
89	Calibration					1.15 ± 0.10		

"Lead" column indicates the detected lead content in paint film in mg/cm^2 (milligrams per square centimeter).
<LOD = less than instrument level of detection, 0.01 mg/cm^2.

Lead-based paint (LBP) is defined as paint with a lead content greater than or equal to 1.0 milligrams per square centimeter (mg/cm^2).

Occupational Safety and Health Administration (OSHA) regulates activities disturbing paint that contains any amount of lead (lead-containing paint or LCP), even if the content is below the HUD standard.

Serial #7798, Source Date 7/2021

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...E-mail

Appendix D

Certifications

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, Suite A Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone emet@emetservices.com...E-mail

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101807-0

EnvironMETeo Services Inc.

Waipahu, HI

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 17025:2017. 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 on ISO/IEC 17025).

2024-07-01 through 2025-06-30
Effective Dates

For the National Voluntary Laboratory Accreditation Program

STATE OF HAWAI'I

DEPARTMENT OF HEALTH

Lead-Based Paint Activities Firm Certification

THIS IS TO CERTIFY THAT

EnvironMETeo Services, Inc.

has fulfilled the requirements of Chapter 11-41 Hawaii Administrative Rules and the Toxic Substance Control Act (TSCA) Section 402(a)(2), and has received certification as a firm pursuant to §11-41-4, HAR to conduct lead-based paint activities in Hawaii.

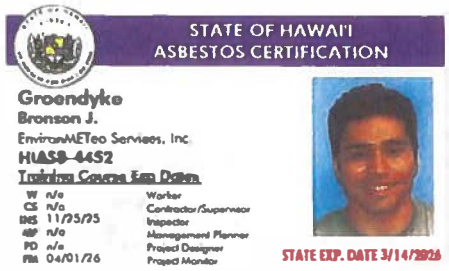
This certification is valid from the date of issuance and expires on **JUNE 19, 2027.**

Date of Issue: **APRIL 8, 2024**
Certification # **PBF-0024**

FOR DIRECTOR OF HEALTH

NON-TRANSFERABLE

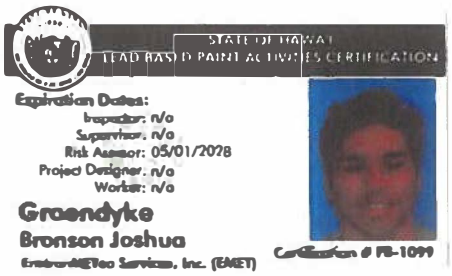
REVOCABLE FOR CAUSE


STATE OF HAWAI'I
ASBESTOS CERTIFICATION

Groendyke
Bronson J.
EnvironMETeo Services, Inc.
HIASB-4452
Training Courses Exp Dates:

W	n/a	Worker
CS	n/a	Contractor/Supervisor
INS	11/25/25	Inspector
MP	n/a	Management Planner
PD	n/a	Project Designer
PM	04/01/26	Project Monitor

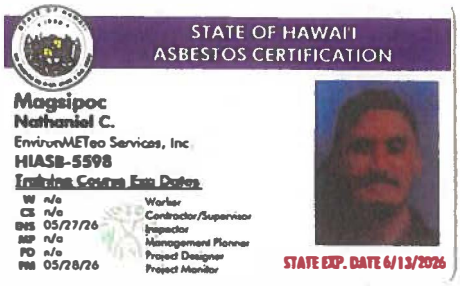
STATE EXP. DATE 3/14/2026


STATE OF HAWAI'I
LEAD BASED PAINT ACTIVITIES CERTIFICATION

Expiration Dates:
Inspector: n/a
Supervisor: n/a
Risk Assessor: 05/01/2028
Project Designer: n/a
Worker: n/a

Groendyke
Bronson Joshua
EnvironMETeo Services, Inc. (EMET)

Certification # PB-1099


STATE OF HAWAI'I
ASBESTOS CERTIFICATION

Magsipoc
Nathaniel C.
EnvironMETeo Services, Inc.
HIASB-5598
Training Courses Exp Dates:

W	n/a	Worker
CS	n/a	Contractor/Supervisor
INS	05/27/26	Inspector
MP	n/a	Management Planner
PD	n/a	Project Designer
PM	05/28/26	Project Monitor

STATE EXP. DATE 6/13/2026


STATE OF HAWAI'I
LEAD BASED PAINT ACTIVITIES CERTIFICATION

Expiration Dates:
Inspector: n/a
Supervisor: n/a
Risk Assessor: 05/15/2028
Project Designer: n/a
Worker: n/a

Magsipoc
Nathaniel C.
EnvironMETeo Services, Inc.

Certification # PB-1552

End of Report

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EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, SuiteA Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...Email