TARGETED HAZARDOUS MATERIAL SURVEY REPORT FOR HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS DIVISION

Daniel K. Inouye International Airport
1st, 2nd, and 3rd Level Roadway Rehabilitation
300 Rodgers Blvd.
Honolulu, Island of Oahu 96819

MNA PROJECT 2866 2

AUGUST 23, 2021



Environmental Studies and Consulting Services

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EXECUTIVE SUMMARY

In June 2021, Myounghee Noh & Associates, L.L.C. (MNA), was retained by KAI Hawaii, Inc., to conduct a targeted hazardous material survey at the 1st, 2nd, and 3rd level roadways at the Daniel K. Inouye International Airport, Honolulu, Oahu. Targeted were those areas anticipated to be disturbed or demolished during the planned roadway rehabilitation project.

The objective of the survey was to identify the presence, extent, and conditions of hazardous materials within the roadway corridor in the areas anticipated to be disturbed, so that the information can be incorporated in the design.

In June and August 2021, MNA conducted this hazardous material survey and identified 49 suspect building materials. Based on sampling and analysis of 69 asbestos/bulk and 52 lead/paint chip samples, and a visual inspection of roadway lighting, MNA provides the following summary:

Summary of Hazardous Material Findings

Summary of Hazardous Material I munigs											
Terminal 2	ACM	LCP	LBP	Arsenic							
First Level Roadway Corridor											
Ewa Concourse											
Diamond Head Concourse	0	O									
Second Level Roadway Corn	Second Level Roadway Corridor										
Ewa Concourse	© *	O	O								
Diamond Head Concourse	© *	O	O								
Third Level Roadway Corridor											
Ewa Concourse	© *	O	O								
Diamond Head Concourse	© *	O	O								

[•] indicates presence of hazardous material

All roadway lighting was identified as light-emitting diode (LED). LED lighting is not suspected of containing hazardous materials, and therefore no inspections were conducted.

ACM - Asbestos-Containing Material, 1% or higher

LBP – Lead-Based Paint, ≥5,000 mg/kg

LCP – Lead-Containing Paint, <5,000 mg/kg

Based on the visual survey and sampling and analysis of suspect bulk materials and paints, special hazard control measures are warranted for work involving asbestos and lead paint. These control measures are briefly described in Section 8 Recommendations for Renovation and Construction Work. General dust, silica, and runoff controls and environmental protection are also warranted.

Paint samples were analyzed for lead content only and bulk samples were analyzed for asbestos only. There is a potential for the presence of other hazardous chemicals in the paint coatings and non-ACM materials. Contractor must anticipate hazards and take all appropriate measures to prevent exposure of site workers, the public, and the environment.

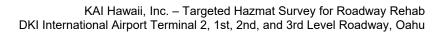
^{*} Includes materials where one or more asbestos fibers were identified using the required point count method. While the less than 0.1% asbestos is not a regulated material, trace amounts can be a health hazard.

Contractors must verify, prior to bidding, the location and volumes of potentially hazardous materials and determine the appropriate dust and hazard control measures based on the area and material to be disturbed. Quantities of materials provided in this report are based on visual approximations only during the survey and should not be used for bidding purposes.

Analytical results provided in this report do not meet the requirements for waste characterizations. Contractor must coordinate with permitted landfills for waste characterization requirements.

Any ACM disturbance is considered a regulated activity. Contractors are required to comply with 29 CFR 1926.1101(k)(3)(i) to identify the presence, location, and quantity of ACM before any work is begun.

Worker protection from silica exposures is also enforced by the Occupational Safety and Health Administration. All appropriate engineering controls must be implemented, and personal protective equipment may be considered as added protection.



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1.0 INTRODUCTION

Myounghee Noh & Associates, L.L.C. (MNA), under an agreement with KAI Hawaii, Inc., conducted a targeted hazardous material survey for the 1st, 2nd, and 3rd level roadway rehabilitation project, located within the Daniel K. Inouye International Airport, Honolulu, Oahu.

MNA's survey was conducted in support of the planned roadway rehabilitation project. Targeted were those areas anticipated to be disturbed by the rehabilitation and construction work including hazardous building materials due to the suspected presence of asbestos, lead, or arsenic (Table 1)



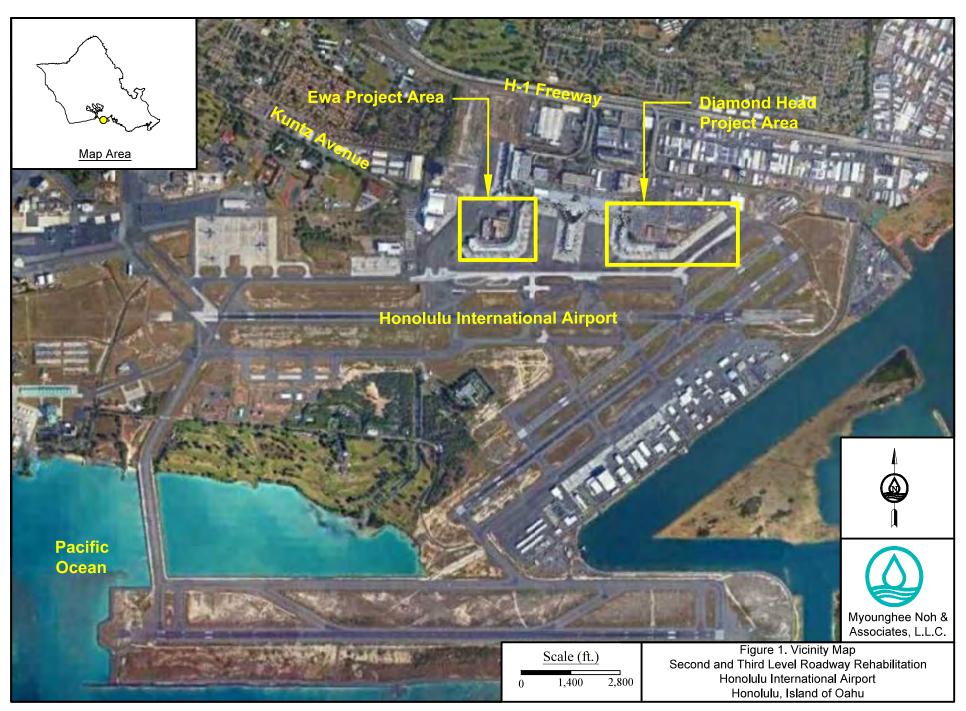
Daniel K. Inouye International Airport Roadway Corridor June 2021

Table 1. Anticipated Design Scope of Work

Work Anticipated

Terminal 2 Roadway - Diamond Head and Ewa Concourse

- Repaint and recoat guardrails, roadway markings, handrails, and light poles.
- Repair damaged roadway corridor attributes, including concrete light poles, ceilings, walls, eaves, roadways, and roadways draining systems.
- Remove and replace damage ceramic wall tiles and ceramic floor tiles within the roadway corridor.
- Repair and recoat the interior of the roadside planters.
- Remove and replace LED light fixtures on the roadways.



2.0 SAMPLING AND SURVEY METHODS

In June and August 2021, State of Hawaii-certified building inspectors, Danny Falanug and Kealohilani Serrao, conducted the building material survey at Diamond Head and Ewa Concourse at Terminal 2, International Terminal. The inspectors performed a visual assessment of the project site, identified materials suspected of containing asbestos, lead, or arsenic, and collected samples of these materials. Inspector certifications are presented in Appendix A.

2.1 Identifying Homogeneous Materials

The inspectors identified building materials with the same appearance, color, and substrate as homogeneous materials. The concourse building materials are considered unique per floor/level. Building materials with the same characteristics (appearance, color, and substrate), as an identified homogeneous material, should be considered to possess the same hazard characteristics, unless specifically identified as otherwise in the report. As an example, if silver paint on metal is found to be lead-based paint (LBP), then all identical silver paint on metal in the survey area should be treated as LBP. Table 2 provides an overview of sampling and a summary of hazardous materials identified.

Table 2. Summary of Sampling and Results

Materials Sampled	Samples Submitted/ Inspected	Suspect Material Locations	Identified Hazardous Materials		
		First Level Roadway			
Asbestos in bulk material or paint		Ceiling, columns, eaves, walls	1 ACM (2% Chrysotile)		
Lead in paint	8	Ceiling, columns, conduit, eaves, electrical boxes, pipes, walls	3 LCP (46 mg/kg – 250 mg/kg)		
		Second Level Roadway			
Asbestos in bulk material or paint	30	Ceilings, columns, eaves, floors, roadway, walls	2 ACM (5% and 20% Chrysotile) 1 material containing trace asbestos*		
Lead in paint	24	Brackets, ceilings, columns, conduit, curbs, eaves, guardrails, roadway, trim, walls	7 LCP (40 mg/kg – 130,000 mg/kg) including 2 LBP (27,000 mg/kg – 130,000 mg/kg)		
		Third Level Roadway			
Asbestos in bulk material or paint	30	Columns, eaves, floors, roadway, walls	2 ACM (2% and 10% Chrysotile) 3 materials containing trace asbestos*		
Lead in paint	20	Columns, curbs, eaves, guardrails, handrails, roadway, walls	5 LCP (56 mg/kg – 9,500 mg/kg) including 1 LBP (9,500 mg/kg)		

All roadway lighting was identified as light-emitting diode (LED). LED lighting is not suspected of containing hazardous materials, and therefore no inspections were conducted.

mg/kg – milligrams per kilogram (equivalent to parts per million)

No suspect arsenic-containing materials were identified during the survey at 1st, 2nd, or 3rd level roadway.

^{*}Includes materials where one or more asbestos fibers were identified using the point count method. While the less than 0.1% asbestos is not a regulated material, trace amounts can be a health hazard.

ACM – Asbestos-Containing Material

LCP – Lead-Containing Paint, <5,000 mg/kg

LBP – Lead-Based Paint, ≥5,000 mg/kg

2.2 Building Material Sampling

Bulk and paint samples were collected using a decontaminated chisel, razor, or hammer in a manner that minimized airborne dust. The inspectors collected triplicate samples for asbestos and duplicate samples for lead. No suspected arsenic-containing building materials were identified. Samples were placed in sealable plastic bags, labeled with a unique identification number, and recorded on a chain-of-custody. For each sample, the date, sample appearance, analyte, and sample location were recorded on a field data form. Asbestos samples were transported under chain-of-custody to LA Testing in South Pasadena, California. Lead samples were delivered under chain-of-custody to Hawaii Analytical Laboratory in Honolulu, Hawaii.

3.0 LABORATORY INFORMATION

LA Testing analyzed the asbestos samples by polarized light microscopy using the Environmental Protection Agency (EPA) Method 600/R-93/116. LA Testing, South Pasadena, is certified by:

- National Voluntary Laboratory Accreditation Program (NVLAP), certification 200232-0
- State of Hawaii Department of Health (HDOH), certification L-01-034
- American Industrial Hygienist Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP), certification 102814

Hawaii Analytical Laboratory analyzed the lead samples by flame atomic absorption spectroscopy using the NIOSH Method 7082m. Hawaii Analytical Laboratory, Honolulu, is certified by:

- NVLAP, certification 200655-0
- HDOH, certification L-14-002
- AIHA ELLAP, certification 101812

4.0 ASBESTOS RESULTS

Materials determined to contain greater than, or equal to, 1% asbestos are considered regulated asbestos-containing material (ACM) under the National Emission Standards for Hazardous Air Pollutants (NESHAP) as specified in 40 Code of Federal Regulations (CFR) Part 61 Subpart M. The U.S. Occupational Safety and Health Administration (OSHA) Asbestos General Industry and Construction Standards also define ACM as 1% asbestos or more by volume under 29 CFR 1910.1001 and 29 CFR 1926.1101, respectively. However, any measurable levels of asbestos fibers are considered to be a health concern, in an uncontrolled work environment.

Twenty-three homogeneous materials suspected of containing asbestos were identified and sampled, generating 69 samples for analysis. Five ACM were confirmed in the survey area, with results ranging from 2% to 20% chrysotile asbestos. Four other materials were found to contain one or more asbestos fibers using the required point counting method. While the less than 1% asbestos is not a regulated material, trace amounts can be a health hazard (Table 3).

<u>First Level:</u> Three homogeneous materials suspected of containing asbestos were identified and sampled, generating nine samples for analysis. One ACM, beige textured paint and skim coat on

concrete, was confirmed on the ceiling, columns, and eaves in the survey area, with a result of 2% chrysotile asbestos.

<u>Second Level</u>: Ten homogeneous materials suspected of containing asbestos were identified and sampled, generating 30 samples for analysis. Two ACM, black coating on concrete inside the planters and black waterproofing under concrete roadway pavement, were confirmed in the survey area, with a results of 3% and 20% chrysotile asbestos, respectively. One material, light pink textured paint and skim coat on concrete ceilings, eaves, and walls, was found to contain one or more asbestos fibers using the point count method.

<u>Third Level:</u> Ten homogeneous materials suspected of containing asbestos were identified and sampled, generating 30 samples for analysis. Two ACM, black mastic on concrete interior of planters and light gray mastic on concrete floors, were confirmed in the survey area, with results of 10% and 2% chrysotile asbestos, respectively. Three other materials, beige paint on concrete walls and light pink paint and skim coat on concrete ceilings, eaves, and walls, and beige paint and skim coat on concrete masonry unit (CMU), contained trace amounts of asbestos. Materials containing less than 1% asbestos can be a health hazard.

The suspected ACM descriptions and identifiers are provided in Appendix B. Sample and hazardous material location drawings are provided in Appendix C. Photographs of suspected materials are presented in Appendix D. Laboratory analytical reports, chain-of-custody, and field data forms are provided in Appendix E.

Table 3. Asbestos-Containing Material Determination

Concourse	Locations	HM ID	Material Color	Material	Substrate	Result	Condition	Estimated Quantity	Unit
		•		First Le	vel	•		-	•
Diamond Head (DH)	Ceiling, columns, eaves	44	Beige	Paint/skim coat	Concrete	ACM 2%	Good	3,000	sq. ft.
DH	Walls	46	Beige	Paint/skim coat	CMU	ND	Good	2,000	sq. ft.
DH	Columns, walls	48	Lt. pink	Paint/skim coat	Concrete	ND	Good	1,000	sq. ft.
		•		Second L	evel	•			•
DH, Ewa	Ceilings, eaves, walls	2	Lt. pink	Paint/skim coat	Concrete	<0.1%*	Fair	6,000	sq. ft.
DH, Ewa	Columns, walls	4	Beige	Paint/skim coat	Concrete	ND	Good	10,000	sq. ft.
DH, Ewa	Inside Planters	12	Black Silver	Coating Paint	Concrete	3% ND	Poor	8,000	sq. ft.
DH, Ewa	Eaves	14	Beige	Textured paint/skim coat	Concrete	ND	Good	5,000	sq. ft.
DH, Ewa	Floors	16	Gray	Grout	3" x 9" Ceramic tile	ND	Good	1,000	sq. ft.
DH, Ewa	Walls	18	Beige	Paint/skim coat	CMU	ND	Good	1,000	sq. ft.
DH, Ewa	Roadway	19	Black	Expansion joint	Concrete	ND	Good	2,000	ln. ft.

Concourse	Locations	HM ID	Material Color	Material	Substrate	Result	Condition	Estimated Quantity	Unit
DH, Ewa	Walls	20	Gray	Grout	12" x 12" Ceramic tile	ND	Good	200	sq. ft.
Ewa	Floor	21	Lt. gray	Caulking	Concrete	ND	Good	500	ln. ft.
DH, Ewa	Roadway (under concrete pavement)	49	Black	Waterproofing	Concrete	20%	Fair	92,000	sq. ft.
				Third Le	vel				
DH, Ewa	Walls	23	Lt. pink	Paint/skim coat	Concrete	<0.1%*	Fair	6,000	sq. ft.
DH, Ewa	Columns, eaves, walls	25	Beige	Paint/skim coat	Concrete	<0.1%*	Good	8,000	sq. ft.
DH, Ewa	Walls	27	Beige	Paint/skim coat	CMU	<0.1%*	Good	1,000	sq. ft.
DH, Ewa	Inside Planters	29	Black	Coating/Wrap Mastic	Concrete	ND 10%	Fair	3,000	sq. ft.
DH, Ewa	Floors	30	Lt. gray	Caulking Mastic	Concrete	ND 2%	Fair	1,000	ln. ft.
DH, Ewa	Eaves	32	White	Textured paint/skim coat	Concrete	ND	Good	3,000	sq. ft.
DH, Ewa	Roadway	37	White and black	Expansion joint	Concrete	ND	Good	2,000	ln. ft.
DH	Walls	38	Gray	Grout	12" x 12" Ceramic tile	ND	Good	200	sq. ft.
Ewa	Roadway	40	White	Coating	Concrete	ND	Fair	20	ln. ft.
Ewa	Roadway	42	Gray	Skim coat	Concrete	ND	Fair	100	sq. ft.

^{*} Indicates that one or more asbestos fibers were identified using the point count method. While the less than 0.1% asbestos is not a regulated material, trace amounts can be a health hazard.

Bold values indicate results above the reporting limit.

The asbestos found to be chrysotile.

Good - Material is in an "as installed" condition. It is usable as is and may show cosmetic wear and tear or fading.

Fair – Material is functional for its installed purpose but shows initial signs of deterioration beyond the cosmetic.

Poor – Material shows significant deterioration and may not be functional for its installed purpose. The binding of the material has decreased integrity as indicated by peeling, cracking, or crumbling of the material.

Abbreviations and Acronyms

ACM – Asbestos-Containing Material HM ID – Homogeneous Material Identifier

ND – Not Detected sq. ft. – Square Feet

ln. ft. – Linear Feet

5.0 LEAD RESULTS

The U.S. Department of Housing and Urban Development (HUD) and the EPA define paint containing 5,000 milligrams per kilogram (mg/kg), or 0.5% by weight, or more of lead to be LBP. Paint containing any measurable concentration of lead is considered to be lead-containing paint (LCP) and a health concern. When lead is detected in a multi-layer sample, it is assumed that all layers represented by the sample contain lead at the same concentration.

Twenty-six suspected lead paints were identified and sampled, generating 52 paint chip samples. Fifteen lead paint were identified in the survey area, with results ranging from 40 mg/kg to 130,000

mg/kg. Three of those paints were identified as LBP, at or above 5,000 mg/kg, the threshold for LBP (Table 4).

<u>First Level:</u> Four suspected lead paints were identified and sampled, generating eight paint chip samples. Three lead paints, light pink on metal conduit, electrical boxes, and pipes, and beige on concrete ceiling, columns, and eaves, and CMU walls, were identified in the survey area, with results ranging from 46 mg/kg to 250 mg/kg. None of the three lead paints were identified as LBP.

<u>Second Level:</u> Twelve suspected lead paints were identified and sampled, generating 24 paint chip samples. Seven lead paints were identified in the survey area, with results ranging from 40 mg/kg to 130,000 mg/kg. Two of those paints, yellow on concrete curbs and silver on metal guardrail, were identified as LBP.

<u>Third Level:</u> Ten suspected lead paints were identified and sampled, generating 20 paint chip samples. Five lead paints were identified in the survey area, with results ranging from 56 mg/kg to 9,500 mg/kg. One of those paints, beige on CMU walls, was identified as LBP.

Suspected LCP descriptions and identifiers are provided in Appendix B. Sample and hazardous material location drawings are in Appendix C. Photographs of suspected LCP are presented in Appendix D. Laboratory analytical reports, chain-of-custody, and field data forms are provided in Appendix E.

Table 4. Lead-Containing Paint Determination

Table 4.	able 4. Leau-Containing I aint Determination											
Wings	Locations	HM ID	Material Color	Material	Substrate	Result (mg/kg)	Condition	Estimated Quantity	Unit			
				First	Level							
Diamond Head (DH)	Conduit, electrical boxes, pipes	41	Lt. pink	Paint	Metal	LCP 46 - 78	Poor	1,000	ln. ft.			
DH	Ceiling, columns, eaves	43	Beige	Paint	Concrete	82 - 250	Good	3,000	sq. ft.			
DH	Walls	45	Beige	Paint	CMU	94 - 120	Good	2,000	sq. ft.			
DH	Columns, walls	47	Lt. pink	Paint	Concrete	<40	Good	1,000	sq. ft.			
				Second	d Level							
DH, Ewa	Ceilings, eaves, walls	1	Lt. pink	Paint	Concrete	49 - 59	Fair	6,000	sq. ft.			
DH, Ewa	Columns, walls	3	Beige	Paint	Concrete	40 - 550	Good	10,000	sq. ft.			
DH, Ewa	Ceilings	5	Black	Paint	Concrete	<40	Fair	2,000	sq. ft.			
DH, Ewa	Brackets, conduit, trim	6	Black	Paint	Metal	<40	Fair	1,000	sq. ft.			
DH, Ewa	Conduit	7	Lt. pink	Paint	Metal	79 - 190	Good	40	ln. ft.			
DH, Ewa	Roadway	8	White	Paint	Asphalt	<40	Fair	200	ln. ft.			

Wings	Locations	HM ID	Material Color	Material	Substrate	Result (mg/kg)	Condition	Estimated Quantity	Unit
DH, Ewa	Curbs	9	Red	Paint	Concrete	<40 - 4,200	Fair	1,000	sq. ft.
DH, Ewa	Roadway	10	Yellow	Paint	Asphalt	<40 - 550	Fair	200	ln. ft.
DH, Ewa	Curbs	11	Yellow	Paint	Concrete	LBP 27,000 - 38,000	Fair	1,500	sq. ft.
DH, Ewa	Eaves	13	Beige	Textured paint	Concrete	<40	Good	5,000	sq. ft.
DH	Guardrail	15	Silver	Paint	Metal	110,000 - 130,000	Poor	80	sq. ft.
DH	Walls	17	Beige	Paint	CMU	<40	Good	1,000	sq. ft.
				Third	Level				
DH, Ewa	Walls	22	Lt. pink	Paint	Concrete	<40 - 56	Fair	6,000	sq. ft.
DH, Ewa	Columns, eaves, walls	24	Beige	Paint	Concrete	<40 - 170	Good	8,000	sq. ft.
DH, Ewa	Walls	26	Beige	Paint	CMU	220 - 9,500	Good	1,000	sq. ft.
DH, Ewa	Guardrails, handrails	28	Beige	Paint	Metal	<40 - 130	Poor	1,000	sq. ft.
DH	Eaves	31	White	Textured paint	Concrete	<40	Good	3,000	sq. ft.
DH, Ewa	Roadway	33	White	Paint	Concrete	<40	Good	100	ln. ft.
DH	Curbs	34	Yellow	Paint	Concrete	<40	Good	600	sq. ft.
Ewa	Handrails	35	Brown	Paint	Metal	<40	Good	500	sq. ft.
Ewa	Guardrails	36	Yellow	Paint	Metal	330 - 420	Fair	80	sq. ft.
Ewa	Roadway	39	White	Coating	Concrete	<40	Fair	20	ln. ft.

Bold values indicate results above the reporting limit.

Good - Material is in an "as installed" condition. It is usable as is and may show cosmetic wear and tear or fading.

Fair – Material is functional for its installed purpose but shows initial signs of deterioration beyond the cosmetic.

Poor – Material shows significant deterioration and may not be functional for its installed purpose. Paint is bubbling or peeling over 20% or more of surface area and no longer protects the substrate.

Abbreviations and Acronyms

HM ID – Hazardous Material Identifier

LBP – Lead-Based Paint, ≥5,000 mg/kg

LCP – Lead-Containing Paint, <5,000 mg/kg

ln. ft. - Linear Feet

mg/kg- milligrams per kilogram or parts per million

sq. ft. – Square Feet

6.0 ARSENIC RESULTS

The disturbance of arsenic-containing materials is regulated by the OSHA Inorganic Arsenic General Industry Standard under 29 CFR 1910.1018. No suspected arsenic-containing materials were observed; therefore, no samples were collected during this survey.

8

7.0 SUMMARY OF SURVEY RESULTS

MNA conducted a targeted hazardous material survey at the 1st, 2nd, and 3rd level roadway corridor of Diamond Head and Ewa Concourse at the Daniel K. Inouye International Airport, Honolulu, Island of Oahu. MNA's survey was conducted in support of the planned roadway rehabilitation project (design scope in Table 1).

Based on the analysis of 23 asbestos-suspected materials and 26 lead-suspected paint coatings, MNA provides the following summary:

Summary of Hazardous Material Findings

Terminal 2	ACM	LCP	LBP	Arsenic
First Level				
Ewa Concourse				
Diamond Head Concourse	O	0		
Second Level				
Ewa Concourse	O	0	O	
Diamond Head Concourse	O	0	O	
Third Level				
Ewa Concourse	O	0	O	
Diamond Head Concourse	O	0	O	

indicates presence of hazardous material

All roadway lighting was identified as LED, which is not suspected of containing hazardous materials, and therefore no inspections were conducted.

ACM – Asbestos-Containing Material, 1% or higher

LBP – Lead-Based Paint, ≥5,000 mg/kg

LCP – Lead-Containing Paint, <5,000 mg/kg

8.0 RECOMMENDATIONS FOR RENOVATION AND CONSTRUCTION WORK

It is required that properly trained employees perform demolition and construction work that disturbs hazardous materials, in a manner protective of the site workers, the public, facility users, and the environment. The following recommendations address OSHA and other applicable federal requirements. These recommendations provide guidance for the management of hazardous building materials and control of occupational and environmental hazards associated with operations, maintenance, renovation, and demolition. These recommendations are based on information gathered during the hazardous materials survey. These recommendations are not intended to constitute a formal work plan but are intended to provide a starting point for the development of a work plan.

8.1 Asbestos-Containing Materials

Employees involved in demolition and construction activities that disturb asbestos must conduct work in accordance with 29 CFR 1926.1101, the OSHA Asbestos Construction Standard. Work practices that would trigger these requirements include, but are not limited to, repair, maintenance, or renovation of structures containing asbestos, as well as removal or encapsulation of materials containing asbestos. For each project, the contractor must determine the appropriate safety measures based on the area to be disturbed, the type, volume, and condition of asbestos materials.

Applicable work practice guidelines involving the disturbance of asbestos materials are summarized, but are not limited to:

- Contractors must anticipate hazards and utilize appropriate engineering controls and personal protective equipment (PPE).
- Employers must provide and require the use of appropriate PPE for any employee exposed to airborne concentrations of asbestos that exceed OSHA regulatory limits, or for which a required negative exposure assessment is not produced (29 CFR 1926.1101[i][1]).
- Employees must utilize respiratory protection until the initial exposure monitoring assessment documents safe working levels of airborne asbestos (29 CFR 1926.1101[f] and [h]). Additional periodic exposure monitoring may be required.
- An initial exposure monitoring assessment should be carried out when workers are disturbing asbestos to ensure that they are not exposed to airborne asbestos concentrations greater than the Permissible Exposure Limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) of air as an 8-hour time-weighted average (TWA), and the Excursion Limit of 1.0 f/cc over a 30-minute sampling period.
- The work site must be maintained as a controlled regulated area and supervised by a competent person at all times.
- Employees must implement stringent dust control procedures to prevent asbestos in any airborne or settled dust.
- Employees must clean the work area thoroughly using wet methods and a high-efficiency particulate air (HEPA) vacuum. Dry sweeping or air blowing of asbestos-containing debris and dust must be avoided.
- Waste and dust containing asbestos must be collected separately from other construction debris. Workers must conduct prompt and controlled clean up and disposal of asbestos wastes and debris in leak-tight containers.
- Asbestos-containing waste must be wet, packaged, labeled, stored, and disposed of in accordance with applicable regulations.
- Visually inspect the work area to ensure that all asbestos-containing debris and dust has been properly removed.
- Conduct clearance in accordance with contract specifications.

8.2 Lead-Containing Paints

Employees involved in renovation or demolition activities that disturb lead paints must conduct work in general accordance with 29 CFR 1926.62 OSHA Lead in Construction Standard. Work practices that would trigger these requirements include, but are not limited to, sanding, blasting, welding, cutting, scraping, and spot/whole paint removals. For each project, the contractor must determine the appropriate safety measures based on the area to be disturbed, the lead concentration, and the paint condition. Applicable work practice guidelines involving the disturbance of lead paints are summarized, but are not limited to:

• Contractors must anticipate hazards and utilize appropriate engineering controls and PPE.

- Employees must utilize respiratory protection until the initial air monitoring assessment documents safe working levels of airborne lead (29 CFR 1926.62[d][1] and [2][i][A]).
- An exposure assessment should be carried out when employees are disturbing LCP or LBP to ensure that they are not exposed to airborne lead concentrations greater than the PEL of 50 micrograms per cubic meter (μg/m³) averaged over an 8-hour period. Additional periodic exposure monitoring may be required if the Action Level, 30 μg/m³, averaged over an 8-hour period is exceeded.
- Employees must implement stringent dust control procedures to prevent airborne lead dust.
- Employees must clean the work area thoroughly using wet methods and a HEPA vacuum. Dry sweeping or air blowing of lead debris and dust must be avoided.
- Lead-containing debris must be segregated from other wastes, collected, and containerized. Wastes must be characterized per State of Hawaii requirements, including a determination of the waste as hazardous or non-hazardous. Lead-containing waste must be handled and disposed of in accordance with applicable requirements.
- Visually inspect and verify the work area to ensure all lead-containing debris and dust has been properly removed and the project site is free of lead hazard.
- Conduct clearance in accordance with contract specifications.

8.3 Arsenic-Containing Materials

No suspected arsenic-containing materials were identified in the project areas during this survey. Therefore, no special arsenic control measures are provided.

9.0 LIMITATIONS

Industry standard effort was made to identify suspected hazardous building materials during the survey at the project area. However, this does not imply a guarantee that all suspected building materials and hazardous materials were identified by this assessment because certain building materials and/or surfaces may be hidden by walls, flooring/concrete slab, or other roadway components. If any previously unforeseen suspected materials become known, such as any hazardous chemicals in the paint coatings, additional assessment may be required prior to the planned rehabilitation project.

Paint samples were analyzed for lead content only and bulk materials were analyzed for asbestos content only. There is a potential for the presence of other hazardous chemicals in the paint coatings and non-ACM materials. Contractor must anticipate hazards and take all appropriate measures to prevent exposure of workers and environment.

Material quantities provided in this report are based on visual approximations taken at the time of the survey only and should not be used for bidding purpose. It is the Contractor's responsibility to verify the material quantities and volume of waste prior to bidding.

Analytical results provided in this report do not meet the requirements for waste characterizations. Contractor must coordinate with permitted landfills for waste characterization requirements.

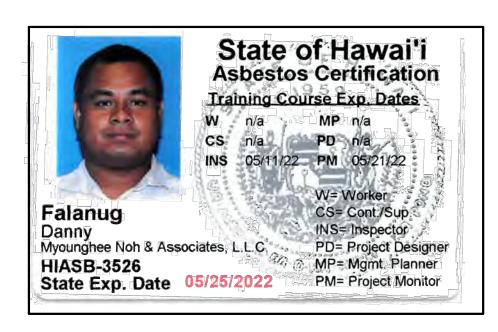
Any ACM disturbance is considered a regulated activity. Contractors are required to comply with 29 CFR 1926.1101(k)(3)(i) to identify the presence, location, and quantity of ACM before any work is begun.

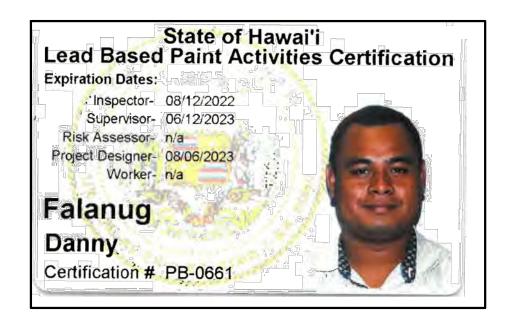
Worker protection from silica exposures is also enforced by the OSHA. All appropriate engineering controls must be implemented and PPE may be considered as added protection.

APPENDIX A: INSPECTOR CERTIFICATIONS

Danny Falanug

Kealohilani Serrao













APPENDIX B: HOMOGENEOUS MATERIALS IDENTIFIED AND SAMPLE TYPES COLLECTED

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
1	2	Diamond Head, Ewa	Ceilings, eaves, walls	Lt. pink	Paint	Concrete		X	LCP 49 - 59 mg/kg
2	2	Diamond Head, Ewa	Ceilings, eaves, walls	Lt. pink Gray	Textured paint Skim coat	Concrete	Х		<0.1%*
3	2	Diamond Head, Ewa	Columns, eaves, walls	Beige	Paint	Concrete		X	LCP 40 - 550 mg/kg
4	2	Diamond Head, Ewa	Columns, eaves, walls	Beige Gray	Textured paint Skim coat	Concrete	Х		ND
5	2	Diamond Head, Ewa	Ceilings	Black	Paint	Concrete		X	<40 mg/kg
6	2	Diamond Head, Ewa	Brackets, conduit, trims	Black	Paint	Metal		X	<40 mg/kg
7	2	Diamond Head, Ewa	Conduit	Lt. pink	Paint	Metal		X	LCP 79 - 190 mg/kg
8	2	Diamond Head, Ewa	Roadway	White	Paint	Asphalt		Х	<40 mg/kg
9	2	Diamond Head, Ewa	Curbs	Red	Paint	Concrete		X	LCP <40 - 4,200 mg/kg
10	2	Diamond Head, Ewa	Roadway	Yellow	Paint	Asphalt		X	LCP <40 - 550 mg/kg
11	2	Diamond Head, Ewa	Curbs	Yellow	Paint	Concrete		X	LBP 27,000 - 38,000 mg/kg
12	2	Diamond Head, Ewa	Inside planters	Black Silver	Coating Paint	Concrete	х		ACM 5% ND
13	2	Diamond Head, Ewa	Eaves	Beige	Textured paint	Concrete		Х	<40 mg/kg
14	2	Diamond Head, Ewa	Eaves	Beige	Textured paint Skim coat Plaster	Concrete	Х		ND

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
15	2	Diamond Head	Guardrail	Silver	Paint	Metal		X	LBP 110,000 - 130,000 mg/kg
16	2	Diamond Head, Ewa	Floors	Tan Gray	Ceramic tile Grout	3" x 9" Ceramic tile	Х		ND
17	2	Diamond Head	Walls	Beige	Paint	CMU		Χ	<40 mg/kg
18	2	Diamond Head	Walls	Beige Gray Black	Textured paint Skim coat Tar	СМИ	Х		ND
19	2	Diamond Head, Ewa	Roadway	Black	Expansion joint	Concrete	Х		ND
20	2	Diamond Head, Ewa	Walls	Red Gray	Ceramic tile Grout	12" x 12" Ceramic tile	Х		ND
21	2	Ewa	Floor	Lt. gray Black	Caulking Mastic	Concrete	Х		ND
22	3	Diamond Head, Ewa	Walls	Lt. pink	Paint	Concrete		x	LCP <40 - 56 mg/kg
23	3	Diamond Head, Ewa	Walls	Lt. pink	Paint/skim coat	Concrete	Х		<0.1%*
24	3	Diamond Head, Ewa	Columns, eaves, walls	Beige	Paint	Concrete		x	LCP <40 - 170 mg/kg
25	3	Diamond Head, Ewa	Columns, eaves, walls	Beige Black	Paint/skim coat Mastic	Concrete	Х		<0.1%*
26	3	Diamond Head, Ewa	Walls	Beige	Paint	СМИ		X	LBP 220 - 9,500 mg/kg
27	3	Diamond Head, Ewa	Walls	Beige	Paint/skim coat	СМИ	Х		<0.1%*
28	3	Diamond Head, Ewa	Guardrails, handrails	Beige	Paint	Metal		X	LCP <40 - 130 mg/kg

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
29	3	Diamond Head, Ewa	Inside planters	Black	Coating Wrap Mastic	Concrete	х		ND ND ACM 10%
30	3	Diamond Head, Ewa	Floors	Lt. gray	Caulking Mastic	Concrete	х		ND ACM 2 %
31	3	Diamond Head	Eaves	White	Textured paint	Concrete		Х	<40 mg/kg
32	3	Diamond Head	Eaves	White	Textured paint/skim coat	Concrete	X		ND
33	3	Diamond Head, Ewa	Roadway	White	Paint	Concrete		Х	<40 mg/kg
34	3	Diamond Head	Curbs	Yellow	Paint	Concrete		Х	<40 mg/kg
35	3	Ewa	Handrails	Brown	Paint	Metal		Х	<40 mg/kg
36	3	Ewa	Guardrails	Yellow	Paint	Metal		X	LCP 330 - 420 mg/kg
37	3	Diamond Head, Ewa	Roadway	Gray Black	Expansion joint Fibrous Material	Concrete	Х		ND
38	3	Diamond Head	Walls	Red Gray	Ceramic tile Grout	12" x 12" Ceramic tile	Х		ND
39	3	Ewa	Roadway	White	Coating	Concrete		Х	<40 mg/kg
40	3	Ewa	Roadway	White	Coating	Concrete	Х		ND
41	1	Diamond Head	Conduit, electrical boxes, pipes	Lt. pink	Paint	Metal		x	LCP 46 - 78 mg/kg
42	3	Ewa	Roadway	Gray	Skim coat	Concrete	Х		ND
43	1	Diamond Head	Ceiling, columns, eaves	Beige	Paint	Concrete		X	LCP 82 - 250 mg/kg
44	1	Diamond Head	Ceiling, columns, eaves	Beige	Textured paint Skim coat	Concrete	х		ACM 2%
45	1	Diamond Head	Walls	Beige	Paint	СМИ		X	LCP 94 - 120 mg/kg

HM ID	Floor	Wings	Locations	Material Color	Material	Substrate	Asb	Pb	Result
46	1	Diamond Head	Walls	Beige	Textured paint Skim coat	СМИ	Х		ND
47	1	Diamond Head	Columns, walls	Lt. pink	Paint	Concrete		Χ	<40 mg/kg
48	1	Diamond Head	Columns, walls	Lt. pink	Textured paint Skim coat	Concrete	X		ND
49	2	Diamond Head, Ewa	Roadway (under concrete pavement)	Black	Waterproofing	Concrete	x		ACM 20%

^{*} Indicates one or more asbestos fibers was identified using the point count method. While the less than 1% asbestos is not a **Bold values indicate results above the reporting limit.**

All asbestos found to be chrysotile.

Abbreviations and Acronyms

Asb - Asbestos

ACM - Asbestos-Containing Material

CMU - Concrete Masonry Unit

HM ID - Homogeneous Material Identifier

LBP - Lead-Based Paint ≥5,000 mg/kg

LCP - Lead-Containing Paint <5,000 mg/kg

mg/kg - milligrams per kilogram, equivalent to parts per million

ND - Not Detected

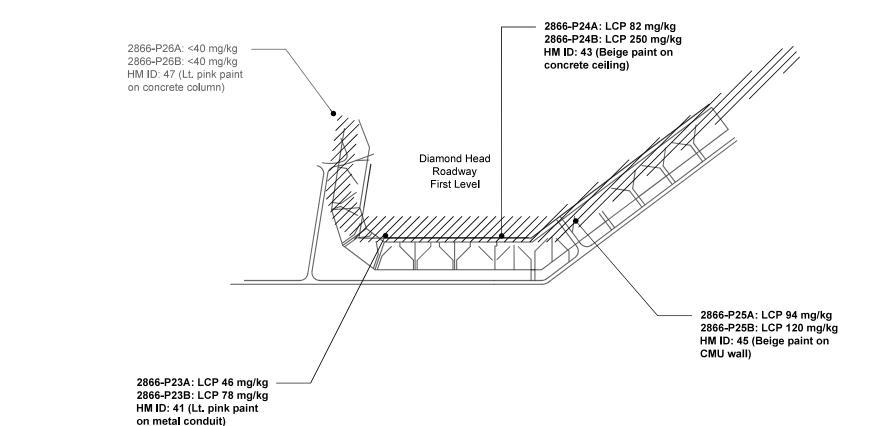
Pb - Lead

APPENDIX C: SAMPLE AND HAZARDOUS MATERIAL LOCATION DRAWINGS

List of Drawings	
Asbestos and Lead Sample and Hazardous Material Locations – First Level	C-1 and C-2
Asbestos and Lead Sample and Hazardous Material Locations – Second Level	C-3 – C-6
Asbestos and Lead Sample and Hazardous Material Locations – Third Level	C-7 – C-10

H M I D	Locations	Color	Material	Substrate	Results	
44	Ceiling, columns, eaves	Beige	Textured paint Skim coat	Concrete	ACM 2%	
			2866-A20A: A0 2866-A20B: Sto 2866-A20C: Sto HM ID: 44 (Bei	op positive op positive ge textured	2866- 2866- HM II textur and s concr	-A22A: ND -A22B: ND -A22C: ND D: 48 (Lt. pink red paint skim coat on rete column) Diamond Head Roadway First Level 2866-A21A: ND 2866-A21B: ND 2866-A21C: ND HM ID: 46 (Beige
			HM ID: 44 (Bei paint and skim concrete ceilir	coat on		HM ID: 46 (Beige textured paint and skim coat on CMU wall)
	Legend and Notes Visual Extent of Asbes	stos-Containin	g Material			
	alues indicate results al		ction limit.			Myounghee No Associates, L.L
	estos found to be chrysot Asbestos-Containing Mat					Asbestos Sample and Hazardous
	· Homogeneous Material					Material Locations Daniel K Incurve International Airport
ND - No	one Detected					Diamond Head Roadway First Level C - 1

HM ID	Locations	Color	Substrate	Results (mg/kg)
41	Conduit, electrical boxes, pipes	Lt. pink	Metal	LCP 46 - 78
43	Ceiling, columns, eaves	Beige	Concrete	LCP 82 - 250
45	Walls	Beige	СМИ	LCP 94 - 120



Legend and Notes

/// Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm)



Myounghee Noh & Associates, L.L.C.

Lead Paint Sample and Hazardous **Material Locations** Daniel K. Inouye International Airport Diamond Head Roadway First Level

Sheet Number

C - 2

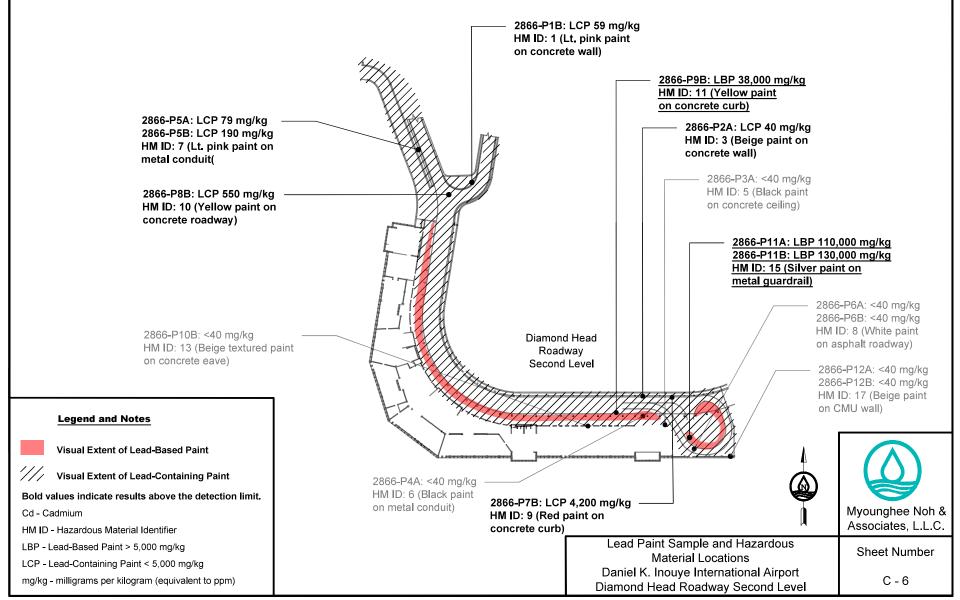
		1				
HM ID	Locations	Color	Material	Substrate	Results	2866-A3A: ACM 5%
2	Ceilings, eaves, walls	Lt. pink Gray	Textured paint Skim coat	Concrete	<0.1%*	HM ID: 12 (Black coating on concrete wall)
12	Floors, walls	Black Silver	Coating Paint	Concrete	ACM 5% ND	
49	Roadway (under concrete pavement)	Black	Waterproofing	Concrete	ACM 20%	2866-A1A: <0.1%
			ND (Lt. gray caulking nastic on concrete			HM ID: 2 (Lt. pink textured paint and gray skim coat on concrete wall)*
		2866-A8B: 2866-A8C: HM ID: 20 (on 12" x 12 tile wall)	ND Gray grout			2866-A2A: ND HM ID: 4 (Beige textured paint and gray skim coat on concrete wall)
		2866-A4A: 2866-A4B: HM ID: 14 (textured pa coat, and p concrete ea	ND (Beige int, skim laster on		HM wat	2866-A7A: ND HM ID: 19 (Black expansion joint on concrete roadway) 6-A23A: ACM 20% ID: 49 (Black erproofing on crete roadway) Ewa Roadway Second Level
1//	Legend and Notes Visual Extent of Trace Asbe	estos				
	Visual Extent of Asbestos-	Containing Mat	terial			THE REAL PROPERTY OF THE PARTY
Bold va	llues indicate results above	_				
* Indica the poir	tes one or more asbestos fibe tt count method. While the les ated material, trace amounts c	rs were identifiess than 1% asbe	ed using estos is not		on 3" x 9"	(Gray grout ceramic tile Myounghee Noh &
All asbe	All asbestos found to be chrysotile.				floor)	Associates, L.L.C.
ACM -	Asbestos-Containing Material					Asbestos Sample and Hazardous Material Locations Sheet Number
	Homogeneous Material Ident	ifier				Daniel K. Inouye International Airport
ND - No	one Detected					Ewa Roadway Second Level C - 3

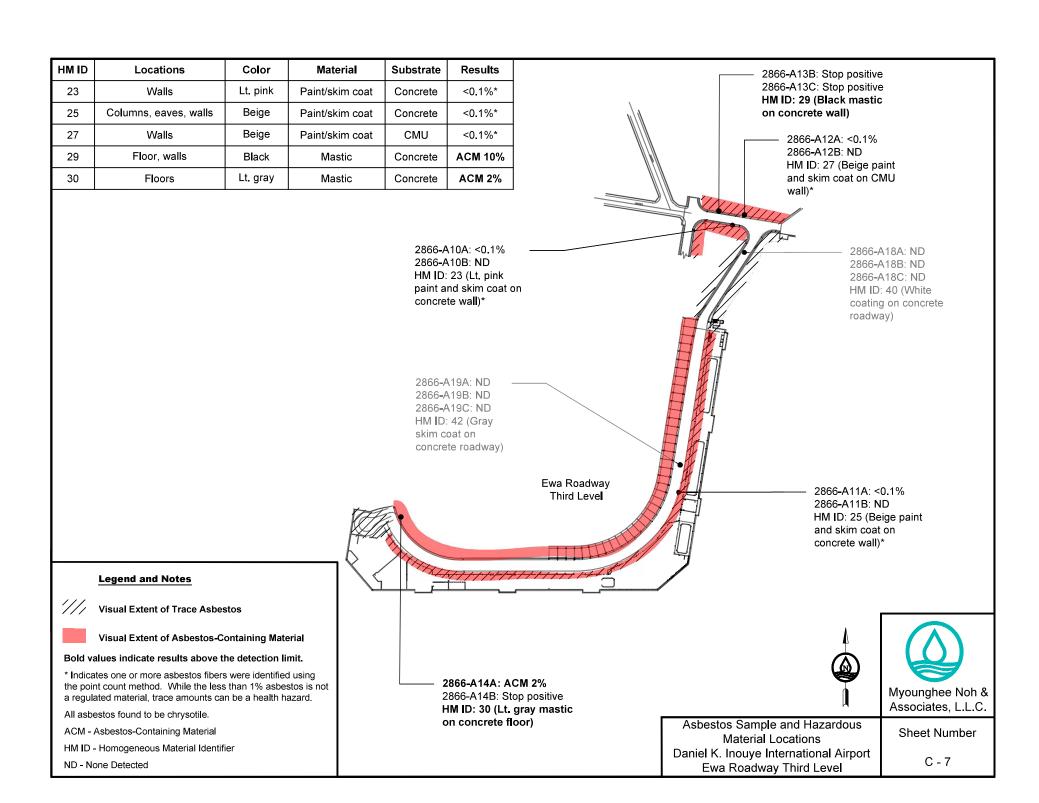
HM ID	Locations	Color	Substrate	Results (mg/kg)			
1	Ceilings, eaves, walls	Lt. pink	Concrete	LCP 49 - 59	-101 M		
3	Columns, eaves, walls	Beige	Concrete	LCP 40 - 550			
7	Conduit	Lt. pink	Metal	LCP 79 - 190			
9	Curbs	Red	Concrete	LCP <40 - 4,200			
10	Roadway	Yellow	Asphalt	LCP <40 - 550	2866-P8A: <40 mg/kg		
	2866-P4B: <4 HM ID: 6 (Bla on metal cone	ck paint		HM I	HM ID: 10 (Yellow paint on concrete roadway) D: 1 (Lt. pink paint oncrete wall)		
2866-P10A: <40 mg/kg HM ID: 13 (Beige textured paint on concrete eave) 2866-P6A: <40 mg/kg HM ID: 8 (White paint on asphalt roadway)				2866-P2A: LCP 40 mg/kg HM ID: 3 (Beige paint on concrete wall) HM ID: 7 (Lt. pink pmetal conduit) 2866-P7A: <40 mg/kg HM ID: 9 (Red paint on concrete curb)			
					2866-P9A: LBP 27,000 mg/kg HM ID: 11 (Yellow paint on concrete curb)		
HM ID LCP - L	Legend and Notes Visual Extent of Lead-Contain alues indicate results above the Hazardous Material Identifier Lead-Containing Paint < 5,000 mg milligrams per kilogram (equivalent)	e detection limit. g/kg		2866-P3B: <40 i HM ID: 5 (Black on concrete ceili	paint Myounghee Noh &		

HM ID	Locations	Color	Material	Substrate	Results			
2	Ceilings, eaves, walls	Lt. pink Gray	Textured paint Skim coat	Concrete	<0.1%*			
12	Floors, walls	Black Si l ver	Coating Paint	Concrete	ACM 5% ND			
49	Roadway (under concrete pavement)	Black	Waterproofing	Concrete	ACM 20%			
	2866-A5B: ND 2866-A5C: ND HM ID: 16 (Gr on 3" x 9" cera floor)) ay grout				2866-A1B: <0.1% 2866-A1C: <0.1% HM ID: 2 (Lt. pink textured paint and gray skim coat on concrete wall)*	2866-A3B: Stop positive 2866-A3C: Stop positive HM ID: 12 (Black coating on concrete wall)	
2866-A8A: ND HM ID: 20 (Gray grout on 12" x 12" ceramic tile wall) 2866-A7B: ND 2866-A7C: ND HM ID: 19 (Black expansion joint on concrete roadway)						Diamond Head Roadway Second Level		8: ND 6: ND 8 (Beige textured
///	Legend and Notes Visual Extent of Trace As	bestos		1			paint, skir concrete (n coat, and tar on eave)
Visual Extent of Asbestos-Containing Material			laterial		V			
Bold va	Bold values indicate results above the detection limit.			66-A23B: Sto	op positive —		\wedge	
the poir	tes one or more asbestos fib nt count method. While the leated material, trace amounts	ess than 1% as	fied using 28 bestos is not HM	666-A23C: Sto M ID: 49 (Blacaterproofing	op positive c k	2866-A4C: ND		Myounghee Noh & Associates, L.L.C.
	All asbestos found to be chrysotile.			ncrete roadv		HM ID: 14 (Beige	Asbestos Sample and Hazardous	
	ACM - Asbestos-Containing Material					textured paint, skim coat, and plaster on	Material Locations	Sheet Number
	· Homogeneous Material Ide	ntifier				concrete eave)	Daniel K. Inouye International Airport	C - 5
ND - No	one Detected						Diamond Head Roadway Second Level	

HM ID	Locations	Color	Substrate	Results (mg/kg)
1	Ceilings, eaves, walls	Lt. pink	Concrete	LCP 49 - 59
3	Columns, eaves, walls	Beige	Concrete	LCP 40 - 550
7	Conduit	Lt. pink	Metal	LCP 79 - 190

HM ID	Locations	Color	Substrate	Results (mg/kg)
9	Curbs	Red	Concrete	LCP <40 - 4,200
10	Roadway	Yellow	Aspha l t	LCP <40 - 550
11	Curbs	Yellow	Concrete	LBP 27,000 - 38,000
15	Guardrail	Silver	Metal	LBP 110,000 - 130,000

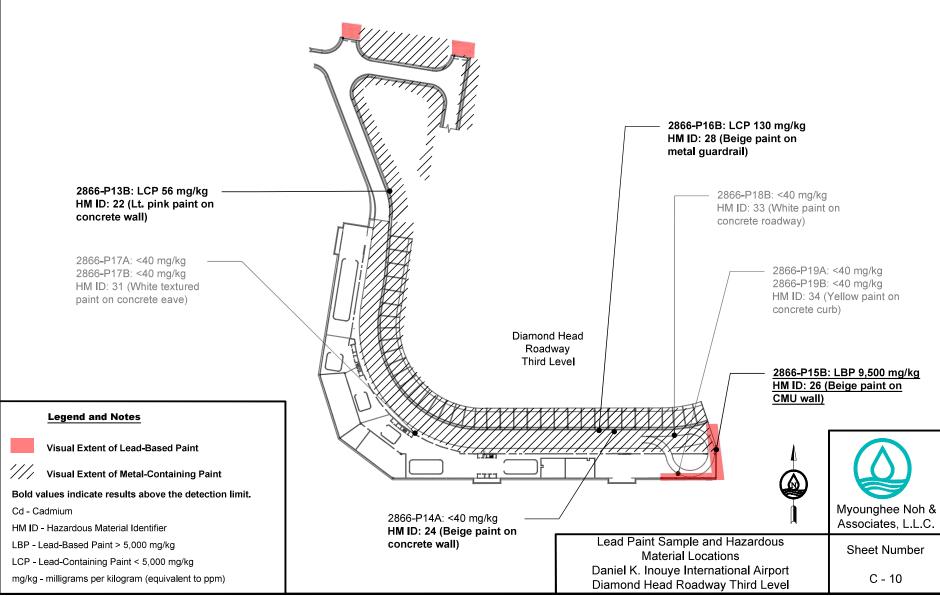




H M ID	Locations	Color	Substrate	Results (mg/kg)				
22	Walls	Lt. pink	Concrete	LCP <40 - 56				
24	Columns, eaves, walls	Beige	Concrete	LCP <40 - 170				
26	Walls	Beige	CMU	LBP 220 - 9,500		١.		
28	Guardrails, handrails	Beige	Metal	LCP <40 - 130		////		
36	Guardrails	Yellow	Metal	LCP 330 - 420				LCP 220 mg/kg leige paint on
				2866-P13A: <40 mg/ HM ID: 22 (Lt. pink concrete wall) 2866-P22A: <40 mg/ 2866-P22B: <40 mg/	p aint on kg ————		CMU wall)	
				HM ID: 39 (White coa on concrete roadway 2866-P16A: <40 mg, HM ID: 28 (Beige pa metal guardrail)	ating) /kg		HM II	-P18A: <40 mg/kg D: 33 (White paint on rete roadway)
	2866-P21A: LCP 33 2866-P21B: LCP 42 HM ID: 36 (Yellow p metal guardrail)	0 mg/kg			Ewa Roadway Third Level		HM ID	P14A: <40 mg/kg : 24 (Beige paint on ete wall)
1//	Visual Extent of Lead-Based F				///////////////////////////////////////			
	lues indicate results above the	-		000 F004 - 140 - 11				
Cd - Ca				866-P20A: <40 mg/kg — 866-P20B: <40 mg/kg			Ī	Myounghee Noh &
	Hazardous Material Identifier			IM ID: 35 (Brown paint n metal handrail)		Lead Paint C	μ <u>η</u>	Associates, L.L.C.
	ead-Based Paint > 5,000 mg/kg	. 0		n metai nanulaii)		Lead Paint Sample and Hazar Material Locations	aous	Sheet Number
	ead-Containing Paint < 5,000 mg milligrams per kilogram (equival					Daniel K. Inouye International A		C - 8
9/1.9 -	gramo por miogram (equivale	to pp.ii)				Ewa Roadway Third Leve	el .	J - 0

HM ID	Locations	Color	Material	Substrate	Results			
23	Walls	Lt. pink	Paint/skim coat	Concrete	<0.1%*	-		
25	Columns, eaves, walls	Beige	Paint/skim coat	Concrete	<0.1%*	-		
27	Walls	Beige	Paint/skim coat	СМИ	<0.1%*			
29	Floor, walls	Black	Mastic	Concrete	ACM 10%			
30	Floors	Lt. gray	Mastic	Concrete	ACM 2%			
2866-A13A: ACM 10% HM ID: 29 (Black mastic on concrete wall) 2866-A10C: ND HM ID: 23 (Lt. pink paint and skim coat on concrete wall)* 2866-A16B: ND 2866-A16C: ND HM ID: 37 (Gray expansion joint on concrete roadway) Diamond Head Roadway Thirld Level Roadway 2866-A12C: ND HM ID: 27 (Beige paint and skim coat on concrete wall)*								
///	Legend and Notes	-4			- Harry		wal	II)*
///	Visual Extent of Trace Asbes	StoS		W.		T.Mail		
	Visual Extent of Asbestos-C	-						(\wedge)
	alues indicate results above to tes one or more asbestos fibers		2000	-A14C: Stop				
the poir	nt count method. While the less ated material, trace amounts ca	s than 1% asbe	stos is not on c	D: 30 (Lt. gra oncrete floor	y masuc)	2866-A15A: ND 2866-A15B: ND		Myounghee Noh & Associates, L.L.C.
	estos found to be chrysotile.					2866-A15C: ND HM ID: 32 (White	Asbestos Sample and Hazardous	
	Asbestos-Containing Material Homogeneous Material Identif	ïer				textured paint and	Material Locations	Sheet Number
	one Detected	:=:				skim coat on concrete eave)	Daniel K. Inouye International Airport Diamond Head Roadway Third Level	C - 9

HM ID	Locations	Color	Substrate	Results (mg/kg)
22	Walls	Lt. pink	Concrete	LCP <40 - 56
24	Columns, eaves, walls	Beige	Concrete	LCP <40 - 170
26	Walls	Beige	СМИ	<u>LBP 220 - 9,500</u>
28	Guardrails, handrails	Beige	Metal	LCP <40 - 130



APPENDIX D: PHOTOGRAPHS

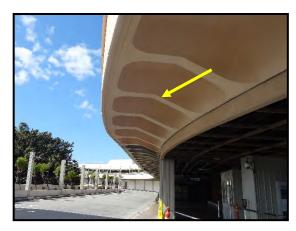


HM ID: 1 Floor 2

Light pink paint on concrete eave.

<u>LCP</u>

2866-P1A: 56 mg/kg 2866-P1B: 49 mg/kg



HM ID: 2 Floor 2

Light pink textured paint with gray skim coat on concrete eave.

Trace Asbestos

2866-A1A-Texture paint: ND

2866-A1A-Skim coat: <0.1% Chrysotile

2866-A1B-Texture paint: ND

2866-A1B-Skim coat: <0.1% Chrysotile

2866-A1C-Texture paint: ND

2866-A1C-Skim coat: <0.1% Chrysotile



HM ID: 3 Floor 2

Beige paint on concrete wall.

LCP

2866-P2A: 40 mg/kg 2866-P2B: 550 mg/kg

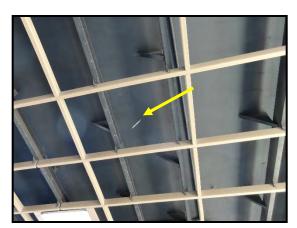


HM ID: 4 Floor 2

Beige textured paint with gray skim coat on concrete wall.

Non-ACM

2866-A2A-Texture paint: ND 2866-A2A-Skim coat: ND 2866-A2B-Texture paint: ND 2866-A2B-Skim coat: ND 2866-A2C-Texture paint: ND 2866-A2C-Skim coat: ND

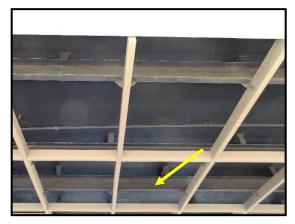


HM ID: 5 Floor 2

Black paint on concrete ceiling.

Non-LCP

2866-P3A: <40 mg/kg 2866-P3B: <40 mg/kg



HM ID: 6 Floor 2

Black paint on metal trim.

Non-LCP

2866-P4A: <40 mg/kg 2866-P4B: <40 mg/kg



HM ID: 7 Floor 2

Light pink paint on metal conduit.

LCP

2866-P5A: 79 mg/kg 2866-P5B: 190 mg/kg



HM ID: 8 Floor 2

White paint on asphalt roadway.

Non-LCP

2866-P6A: <40 mg/kg 2866-P6B: <40 mg/kg



HM ID: 9 Floor 2

Red paint on concrete curb.

LCP

2866-P7A: <40 mg/kg 2866-P7B: 4,200 mg/kg



HM ID: 10 Floor 2

Yellow paint on asphalt roadway.

<u>LCP</u>

2866-P8A: 550 mg/kg 2866-P8B: <40 mg/kg



HM ID: 11 Floor 2

Yellow paint on concrete curb.

LBP

2866-P9A: 27,000 mg/kg 2866-P9B: 38,000 mg/kg



HM ID: 12 Floor 2

Black coating and silver paint on concrete wall.

ACM

2866-A3A: ND

2866-A3B-Silver paint: ND

2866-A3B-Coating: 5% Chrysotile

2866-A3C: Stop positive



HM ID: 13 Floor 2

Beige textured paint on concrete eave.

Non-LCP

2866-P10A: <40 mg/kg 2866-P10B: <40 mg/kg



HM ID: 14 Floor 2

Beige textured paint with skim coat and plaster on concrete eave.

Non-ACM

2866-A4A-Texture paint: ND 2866-A4A-Skim coat: ND 2866-A4B-Texture paint: ND 2866-A4B-Skim coat: ND 2866-A4C-Texture paint: ND 2866-A4C-Skim coat: ND 2866-A4C-Plaster: ND



HM ID: 15 Floor 2

Silver paint on metal guardrail.

LBP

2866-P11A: 130,000 mg/kg 2866-P11B: 110,000 mg/kg



HM ID: 16 Floor 2

Gray grout on 3" x 9" tan ceramic tile floor.

Non-ACM

2866-A5A-Ceramic tile: ND

2866-A5A-Grout: ND

2866-A5B-Ceramic tile: ND

2866-A5B-Grout: ND

2866-A5C-Ceramic tile 1: ND 2866-A5C-Ceramic tile 2: ND

2866-A5C-Grout: ND



HM ID: 17 Floor 2

Beige paint on concrete masonry unit wall.

Non-LCP

2866-P12A: <40 mg/kg 2866-P12B: <40 mg/kg



HMI D: 18 Floor 2

Beige textured paint with gray skim coat and black tar on concrete masonry unit wall.

Non-ACM

2866-A6A-Texture paint/skim coat: ND

2866-A6A-Tar: ND

2866-A6B-Texture paint: ND 2866-A6B-Skim coat: ND 2866-A6C-Texture paint: ND

2866-A6C-Tar: ND



HM ID: 19 Floor 2

Black expansion joint on concrete roadway.

Non-ACM 2866-A7A: ND 2866-A7B: ND 2866-A7C: ND



HM ID: 20 Floor 2

Gray grout on 12" x 12" red ceramic tile wall.

Non-ACM

2866-A8A-Ceramic tile: ND

2866-A8A-Grout: ND

2866-A8A-Mortar: ND

2866-A8A-Mastic: ND

2866-A8B-Ceramic tile: ND

2866-A8B-Grout: ND

2866-A8B-Mortar: ND

2866-A8B-Mastic: ND

2866-A8C-Ceramic tile: ND

2866-A8C-Grout: ND

2866-A8C-Mortar: ND

2866-A8C-Mastic: ND



HM ID: 21 Floor 2

Light gray caulking on concrete floor.

Non-ACM

2866-A9A: ND

2866-A9B: ND

2866-A9C-Caulking: ND 2866-A9C-Mastic: ND



HM ID: 22 Floor 3

Light pink paint on concrete wall.

<u>LCP</u>

2866-P13A: <40 mg/kg 2866-P13B: 56 mg/kg



HM ID: 23 Floor 3

Light pink paint and skim coat on concrete wall.

Trace Asbestos

2866-A10A-Comp texture paint/skim coat:

<0.1% Chrysotile

2866-A10B-Comp texture paint/skim coat:

<0.1% Chrysotile

2866-A10C-Comp texture paint/skim coat:

<0.1% Chrysotile



HM ID: 24 Floor 3

Beige paint on concrete wall.

LCP

2866-P14A: <40 mg/kg 2866-P14B: 170 mg/kg



HM ID: 25 Floor 3

Beige paint and skim coat with black mastic on concrete wall.

Trace Asbestos

2866-A11A-Comp Texture paint/skim coat: ND

2866-A11A-Mastic: ND

2866-A11B-Comp Texture paint/skim coat:

<0.1% Chrysotile

2866-A11B-Concrete: ND 2866-A11C-Texture paint: ND 2866-A11C-Concrete: ND



HM ID: 26 Floor 3

Beige paint on concrete masonry unit wall.

LBP

2866-P15A: 220 mg/kg 2866-P15B: 9,500 mg/kg



HM ID: 27 Floor 3

Beige paint and skim coat on concrete masonry unit wall.

Trace Asbestos

2866-A12A-Comp texture paint/skim coat:

<0.1% Chrysotile

2866-A12B-Comp texture paint/skim coat:

<0.1% Chrysotile

2866-A12C-Comp texture paint/skim coat:

<0.1% Chrysotile



HM ID: 28 Floor 3

Beige paint on metal handrail.

LCP

2866-P16A: <40 mg/kg 2866-P16B: 130 mg/kg



HM ID: 29 Floor 3

Black coating and vinyl wrap with mastic on concrete wall.

ACM

2866-A13A-Coating 1: ND

2866-A13A-Coating 2/texture like: ND

2866-A13A-Vinyl wrap: ND

2866-A13A-Mesh: ND

2866-A13B-Coating 1: ND

2866-A13B-Penetration mastic: 10%

Chrysotile

2866-A13B-Paint/coating 2: ND

2866-A13B-Texture like: ND

2866-A13C-Coating: ND

2866-A13C-Concrete: ND

2866-A13C-Mastic: ND



HM ID: 30 Floor 3

Light gray caulking with mastic on concrete floor.

ACM

2866-A14A-Mastic: 2% Chrysotile

2866-A14A-Caulking: ND

2866-A14B-Mastic: Stop positive

2866-A14B-Caulking: ND

2866-A14C: ND



HM ID: 31 Floor 3

White textured paint on concrete eave.

Non-LCP

2866-P17A: <40 mg/kg 2866-P17B: <40 mg/kg



HM ID: 32 Floor 3

White textured paint and skim coat on concrete eave.

Non-ACM

2866-A15A-Texture paint: ND

2866-A15B-Comp texture paint/skim coat: ND 2866-A15C-Comp texture paint/skim coat: ND



HM ID: 33 Floor 3

White paint on concrete roadway.

Non-LCP

2866-P18A: <40 mg/kg 2866-P18B: <40 mg/kg



HM ID: 34 Floor 3

Yellow paint on concrete curb.

Non-LCP

2866-P19A: <40 mg/kg 2866-P19B: <40 mg/kg



HM ID: 35 Floor 3

Brown paint on metal handrail.

Non-LCP

2866-P20A: <40 mg/kg 2866-P20B: <40 mg/kg



HM ID: 36 Floor 3

Yellow paint on metal guardrail.

LCP

2866-P21A: 420 mg/kg 2866-P21B: 330 mg/kg



HM ID: 37 Floor 3

Gray expansion joint with black fibrous material on concrete roadway.

Non-ACM

2866-A16A-Expansion joint: ND 2866-A16A-Cement material: ND 2866-A16A-Fibrous material: ND 2866-A16B-Expansion joint: ND 2866-A16B-Cement material: ND 2866-A16C-Expansion joint: ND 2866-A16C-Cement material: ND 2866-A16C-Fibrous material: ND 2866-A16C-Fibrous material: ND



HM ID: 38 Floor 3

Gray grout on 12" x 12" red ceramic tile wall.

Non-ACM

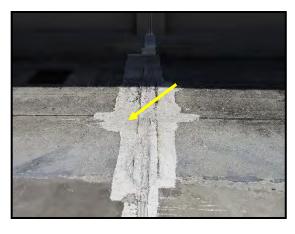
2866-A17A-Ceramic tile: ND 2866-A17A-Grout: ND

2866-A17B-Ceramic tile: ND

2866-A17B-Grout: ND

2866-A17C-Ceramic tile: ND

2866-A17C-Grout: ND



HM ID: 39 Floor 3

White coating on concrete roadway.

Non-LCP

2866-P22A: <40 mg/kg 2866-P22B: <40 mg/kg



HM ID: 40 Floor 3

White coating on concrete roadway.

Non-ACM

2866-A18A-Caulk 1: ND 2866-A18A-Caulk 2: ND

2866-A18B: ND 2866-A18C: ND



HM ID: 41 Floor 1

Light pink paint on metal conduit.

LCP

2866-P23A: 46 mg/kg 2866-P23B: 78 mg/kg



HM ID: 42 Floor 3

Gray skim coat on concrete roadway.

Non-ACM

2866-A19A: ND 2866-A19B: ND 2866-A19C: ND



HM ID: 43 Floor 1

Beige paint on concrete ceiling.

LCP

2866-P24A: 82 mg/kg 2866-P24B: 250 mg/kg



HM ID: 44 Floor 1

Beige textured paint and skim coat on concrete ceiling.

ACM 2866-A20A-Texture paint/mastic: 2% Chrysotile

2866-A20A-Skim coat: <0.1% Chrysotile 2866-A20B-Texture paint/mastic: Stop positive 2866-A20B-Skim coat: <0.1% Chrysotile 2866-A20C-Texture paint/mastic: Stop positive 2866-A20C-Skim coat: <0.1% Chrysotile



HM ID: 45 Floor 1

Beige paint on concrete masonry unit wall.

LCP

2866-P25A: 94 mg/kg 2866-P25B: 120 mg/kg



HM ID: 46 Floor 1

Beige textured paint and skim coat on concrete masonry unit wall.

Non-ACM

2866-A21A-Texture paint: ND 2866-A21A-Skim coat: ND 2866-A21B-Texture paint: ND 2866-A21B-Skim coat: ND

2866-A21C-Comp texture paint/skim coat: ND



HM ID: 47 Floor 1

Light pink paint on concrete column.

Non-LCP

2866-P26A: <40 mg/kg 2866-P26B: <40 mg/kg



HM ID: 48 Floor 1

Light pink textured paint and skim coat on concrete column.

Non-ACM

2866-A22A-Texture paint: ND 2866-A22A-Skim coat: ND 2866-A22B-Texture paint: ND 2866-A22B-Skim coat: ND 2866-A22C-Texture paint: ND

2866-A22C-Skim coat: ND



HM ID: 49 Floor 2

Black waterproofing under concrete pavement on roadway.

ACM 2866-A23A: ACM 20%

2866-A23B: Stop positive 2866-A23C: Stop positive

APPENDIX E: LABORATORY ANALYTICAL REPORTS



520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

Customer PO: 02866_2

Customer ID: 32MYOU50

Project ID:

LA Testing Order: 322111650

Attention: Danny Falanug Phone: (808) 484-9214

Myounghee Noh & Associates, LLC Fax:

99-1046 Iwaena Street **Received Date:** 06/24/2021 9:30 AM Suite 210A 06/25/2021 - 06/28/2021 Analysis Date:

Aiea, HI 96701 Collected Date: 06/08/2021

Project: 2866_2 International Airport

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized **Light Microscopy**

	Description 2 - Lt. pink, P/SC, concrete	Appearance	% Fibrous	% Non-Fibrous	% Type
		Croy/Diple			
022111000 0001	Concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0001A	Control	Homogeneous			
	2 - Lt. pink, P/SC, concrete	Pink/Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0002		Homogeneous			
	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
	2 It sink D/CC	Homogeneous		1000/ Non fibrous (Other)	None Detected
	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0003A		Homogeneous			
	4 - Beige, P/SC, concrete	Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0004		Homogeneous			
	4 - Beige, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0004A		Homogeneous			
	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	4 Poigo D/SC			100% Non fibrous (Other)	None Detected
	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A2C-Texture Paint	4 - Beige, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0006		Homogeneous			
	4 - Beige, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0006A		Homogeneous			
	12 - Black, coating, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0007		Homogeneous			
	12 - Black, coating, concrete	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	12 Plack sections			05% Non-fibrage (Others)	50/. Chrysotile
	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
2866-A3C	12 - Black, coating, concrete	Homogoneous			Positive Stop (Not Analyzed)
322111650-0009	CONTOLETE				



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 LA Testing Order:
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 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asbestos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A4A-Texture Paint	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0010		Homogeneous			
2866-A4A-Skim Coat	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0010A		Homogeneous			
2866-A4B-Texture Paint	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0011		Homogeneous			
2866-A4B-Skim Coat	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0011A		Homogeneous			
2866-A4C-Texture Paint	14 - Beige, textured P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0012	44 5	Homogeneous		4000/ N 51 (O/I)	N 5
2866-A4C-Skim Coat	14 - Beige, textured P/SC, concrete	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	14 - Beige, textured	-		100% Non-fibrous (Other)	None Detected
2866-A4C-Plaster	P/SC, concrete	Gray Non-Fibrous Homogeneous		100% NOII-IIDIOUS (Other)	None Detected
2866-A5A-Ceramic Tile	16 - Gray, grout, 3"x9"	Gray		100% Non-fibrous (Other)	None Detected
322111650-0013	ceramic tile	Non-Fibrous Homogeneous		10070 Hoti-fibious (Ottier)	Deteoled
2866-A5A-Grout	16 - Gray, grout, 3"x9"	Gray		100% Non-fibrous (Other)	None Detected
322111650-0013A	ceramic tile	Non-Fibrous Homogeneous		100% Not historia (Other)	None Beleviou
2866-A5B-Ceramic Tile	16 - Gray, grout, 3"x9"	Gray		100% Non-fibrous (Other)	None Detected
322111650-0014	ceramic tile	Non-Fibrous Homogeneous		100% 11011 1121 (2010)	20.000
2866-A5B-Grout	16 - Gray, grout, 3"x9"	Gray		100% Non-fibrous (Other)	None Detected
322111650-0014A	ceramic tile	Non-Fibrous Homogeneous			
2866-A5C-Ceramic Tile	16 - Gray, grout, 3"x9"	Tan		100% Non-fibrous (Other)	None Detected
1	ceramic tile	Non-Fibrous Homogeneous			
322111650-0015					
2866-A5C-Ceramic Tile 2	16 - Gray, grout, 3"x9" ceramic tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0015A					
2866-A5C-Grout	16 - Gray, grout, 3"x9" ceramic tile	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0015B		Homogeneous			
2866-A6A-Texture Paint/ Skim Coat	18 - Beige, P/SC, CMU	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0016 Unable to separate		. iomogeneous			
2866-A6A-Tar	18 - Beige, P/SC,	Black		100% Non-fibrous (Other)	None Detected
322111650-0016A	CMU	Non-Fibrous Homogeneous			200000
2866-A6B-Texture Paint	18 - Beige, P/SC, CMU	Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0017		Homogeneous			
2866-A6B-Skim Coat	18 - Beige, P/SC, CMU	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0017A	-	Homogeneous			



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 LA Testing Order:
 322111650

 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-A	sbestos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A6C-Texture Paint	18 - Beige, P/SC, CMU	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A6C-Tar	18 - Beige, P/SC, CMU	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0018A Insufficient skim coat present f	or analysis.	Homogeneous			
2866-A7A	19 - Black, expension joint, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0019		Homogeneous			
2866-A7B	19 - Black, expension joint, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0020	40. Black	Homogeneous		4000/ Non Staron (Other)	Non-But-it-I
2866-A7C	19 - Black, expension joint, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0021	00 0	Homogeneous		4000/ Non Staron (Other)	Non-British
2866-A8A-Ceramic Tile	20 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous		100% Non-fibrous (Other)	None Detected
	20 Gray grayt	Homogeneous Gray/Purple		100% Non fibrage (Other)	None Detected
2866-A8A-Grout 322111650-0022A	20 - Gray, grout, 12"x12" ceramic tiles	Gray/Purple Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A8A-Mortar	20 Gray grout	Gray		100% Non-fibrous (Other)	None Detected
322111650-0022B	20 - Gray, grout, 12"x12" ceramic tiles	Non-Fibrous Homogeneous		100% Non-Indious (Other)	None Detected
2866-A8A-Mastic	20 Cray grout	Beige		100% Non-fibrous (Other)	None Detected
322111650-0022C	20 - Gray, grout, 12"x12" ceramic tiles	Non-Fibrous Homogeneous		100% Non-Indious (Other)	None Detected
2866-A8B-Ceramic Tile	20 - Gray, grout,	Red		100% Non-fibrous (Other)	None Detected
322111650-0023	12"x12" ceramic tiles	Non-Fibrous Homogeneous			
2866-A8B-Grout	20 - Gray, grout,	Gray/Purple		100% Non-fibrous (Other)	None Detected
322111650-0023A	12"x12" ceramic tiles	Non-Fibrous Homogeneous			
2866-A8B-Mortar	20 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0023B		Homogeneous			
2866-A8B-Mastic	20 - Gray, grout, 12"x12" ceramic tiles	Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0023C		Homogeneous			
2866-A8C-Ceramic Tile	20 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0024		Homogeneous			
2866-A8C-Grout	20 - Gray, grout, 12"x12" ceramic tiles	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0024A		Homogeneous			
2866-A8C-Mortar	20 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0024B		Homogeneous			
2866-A8C-Mastic	20 - Gray, grout, 12"x12" ceramic tiles	Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0024C		Homogeneous			
2866-A9A	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0025		Homogeneous			



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 322111650

 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-A	sbestos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A9B	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0026		Homogeneous			
2866-A9C-Caulking	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0027		Homogeneous			
2866-A9C-Mastic	21 - Lt. gray, caulking, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
	00 11 11 1200	Homogeneous		4000(N 51 (OH)	-10/ Ol (II)
2866-A10A-Composite Texture Paint/Skim Coat	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0028 Unable to separate					
2866-A10B-CompTextur e Paint/Skim Coat	23 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0029 Unable to separate					
2866-A10C-Comp Texture Paint/Skim Coat	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0030 Unable to separate					
2866-A11A-Comp Texture Paint/Skim Coat	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0031					
2866-A11A-Mastic	25 - Beige, P/SC, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0031A		Homogeneous			
2866-A11B-Comp Texture Paint/Skim Coat	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2866-A11B-Concrete	25 - Beige, P/SC,	Gray/Black		100% Non-fibrous (Other)	None Detected
322111650-0032A	concrete	Non-Fibrous Homogeneous		100% 11011 1121000 (00101)	1,01,0 2,000,00
2866-A11C-Texture Paint	25 - Beige, P/SC, concrete	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0033 No SC present for analysis.					
2866-A11C-Concrete	25 - Beige, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0033A		Homogeneous			
2866-A12A-Comp Texture Paint/Skim Coat	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0034 Unable to separate		<u> </u>			
2866-A12B-Comp Texture Paint/Skim Coat	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0035 Unable to separate					



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 LA Testing Order:
 322111650

 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

0	Description	A	Non-Asbe		Asbestos
Sample 2866-A12C-Texture	Description 27 - Beige, P/SC,	Appearance Gray/Black/Beige	% Fibrous	% Non-Fibrous 100% Non-fibrous (Other)	% Type <1% Chrysotile
Paint/Skim Coat	concrete block	Non-Fibrous Homogeneous		100 % Non-librous (Other)	C176 CillySoule
322111650-0036 Unable to separate					
2866-A13A-Coating 1	29 - Black, coating, concrete	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0037		Homogeneous			
2866-A13A-Coating 2/Texture Like	29 - Black, coating, concrete	Gray/Black Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
322111650-0037A Unable to separate					
2866-A13A-Vinyl Wire Wrap Like	29 - Black, coating, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
•		Homogeneous			
322111650-0037B					<u> </u>
2866-A13A-Mesh	29 - Black, coating, concrete	Black Fibrous	90% Synthetic	10% Non-fibrous (Other)	None Detected
	00 Black a the	Homogeneous		4000/ Nov. Sharry (Other)	None Beterfel
2866-A13B-Coating 1	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13B-Penetration	29 - Black, coating,	Gray/Black		90% Non-fibrous (Other)	10% Chrysotile
Mastic	concrete	Fibrous Homogeneous		30 % (Voll-librous (Other)	1070 Offingsould
322111650-0038A					
2866-A13B-Paint/Coatin g 2	29 - Black, coating, concrete	Black/Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
		Heterogeneous			
322111650-0038B	00 Black a the	D.i		4000/ Nov. Sharry (Other)	None Beterfel
2866-A13B-Texture Like	29 - Black, coating, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13C-Coating	29 - Black, coating,	Black		100% Non-fibrous (Other)	None Detected
322111650-0039	concrete	Non-Fibrous Homogeneous		100 % Non-librous (Other)	None Delected
2866-A13C-Concrete	29 - Black, coating,	Gray		100% Non-fibrous (Other)	None Detected
301101010	concrete	Non-Fibrous			20100104
322111650-0039A		Homogeneous			
2866-A13C-Mastic	29 - Black, coating, concrete	Gray/Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0039B	00 11	Homogeneous		000/ N 51 (01)	00/ 01 //
2866-A14A-Mastic	30 - Lt. gray, caulking, concrete	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
2866-A14A-Caulk	30 - Lt. gray, caulking,	Gray		100% Non-fibrous (Other)	None Detected
2000-A 14A-Caulk 322111650-0040A	concrete	Non-Fibrous Homogeneous		100 % Non-Ilbious (Otilet)	None Delected
2866-A14B-Mastic	30 - Lt. gray, caulking, concrete	Ü			Positive Stop (Not Analyzed)
322111650-0041					
2866-A14B-Caulk	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0041A		Homogeneous			
2866-A14C	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0042		Homogeneous			



520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

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 LA Testing Order:
 322111650

 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Annogranos	Non-Asbe % Fibrous	stos % Non-Fibrous	Asbestos
•	Description	Appearance	% FIDROUS		% Type
2866-A15A-Texture Paint	32 - White, textured P/SC, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0043 Insufficient skim coat present fo	or analysis.				
2866-A15B-Comp Texture Paint/Skim Coat	32 - White, textured P/SC, concrete	White/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
322111650-0044					
2866-A15C-Comp Texture Paint/Skim Coat	32 - White, textured P/SC, concrete	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0045 Unable to separate		· ·			
2866-A16A-Expansion Joint (Caulk Like)	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0046					
2866-A16A-Cementitiou s Material	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0046A					
2866-A16A-Fibrous Material	37 - White w/ black, expension joint, concrete	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
322111650-0046B					
2866-A16B-Expansion Joint (Caulk Like)	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0047					
2866-A16B-Cementitiou s Material	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0047A					
2866-A16B-Fibrous Material	37 - White w/ black, expension joint, concrete	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
322111650-0047B					
2866-A16C-Expension Joint(Caulk Like)	37 - White w/ black, expension joint, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0048					
2866-A16C-Cementitiou s Material	37 - White w/ black, expension joint, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0048A		-			
2866-A16C-Fibrous Material	37 - White w/ black, expension joint, concrete	Black/Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
322111650-0048B					
2866-A17A-Ceramic Tile	38 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0049		Homogeneous			
2866-A17A-Grout	38 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A17B-Ceramic Tile	38 - Gray, grout,	Red		100% Non-fibrous (Other)	None Detected
322111650-0050	12"x12" ceramic tiles	Non-Fibrous Homogeneous		,	



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 LA Testing Order:
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 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

		_	·	sbestos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A17B-Grout	38 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A17C-Ceramic Tile	38 - Gray, grout, 12"x12" ceramic tiles	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
322111650-0051					
2866-A17C-Grout	38 - Gray, grout, 12"x12" ceramic tiles	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0051A	40 10/10/10/10/10	Homogeneous		4000/ Nov. 51 (011)	N B. tt. I
2866-A18A-Caulk 1	40 - White, coating, concrete	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A18A-Caulk 2	40 - White, coating,	Gray/White		100% Non-fibrous (Other)	None Detected
322111650-0052A	concrete	Non-Fibrous Homogeneous		100% Horribrous (Other)	None Beledicu
	40 - White, coating,	White		100% Non-fibrous (Other)	None Detected
	concrete	Non-Fibrous		()	
322111650-0053		Homogeneous			
2866-A18C 322111650-0054	40 - White, coating, concrete	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
	40 Construction and	Homogeneous		4000/ Nov. Sharra (Others)	Nama Data ata d
2866-A19A 322111650-0055	42 - Gray, skim coat, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A19B	42 - Gray, skim coat,	Gray		100% Non-fibrous (Other)	None Detected
322111650-0056	concrete	Non-Fibrous Homogeneous		100 % Non-librous (Other)	Notice Detected
2866-A19C	42 - Gray, skim coat,	Gray		100% Non-fibrous (Other)	None Detected
322111650-0057	concrete	Non-Fibrous Homogeneous		TOO TO THE TENERS (CANOL)	
2866-A20A-Texture Paint/Mastic Like	44 - Beige, P/SC, concrete	Gray/Black Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	2% Chrysotile
322111650-0058 Unable to separate					
2866-A20A-Skim Coat	44 - Beige, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0058A	44 Paire D/00	Homogeneous			Danisius Chan (Nat Amalumad)
2866-A20B-Texture Paint/Mastic Like	44 - Beige, P/SC, concrete				Positive Stop (Not Analyzed)
322111650-0059 Unable to separate					
2866-A20B-Skim Coat	44 - Beige, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0059A		Homogeneous			
2866-A20C-Texture Paint	44 - Beige, P/SC, concrete				Positive Stop (Not Analyzed)
322111650-0060					
2866-A20C-Skim Coat	44 - Beige, P/SC,	Gray		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0060A	concrete	Non-Fibrous Homogeneous		155 % 1511-1101000 (54161)	-170 Offigoration
2866-A21A-Texture	46 - Beige, P/SC,	Beige		100% Non-fibrous (Other)	None Detected
Paint	CMU	Non-Fibrous Homogeneous		` ,	
322111650-0061					



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LA Testing Order: 322111650 Customer ID: 32MYOU50

Customer PO: 02866 2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-A	Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
2866-A21A-Skim Coat	46 - Beige, P/SC, CMU	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected	
322111650-0061A		Homogeneous				
2866-A21B-Texture Paint	46 - Beige, P/SC, CMU	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
322111650-0062						
2866-A21B-Skim Coat 322111650-0062A	46 - Beige, P/SC, CMU	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A21C-CompTextur e Paint/Skim Coat	46 - Beige, P/SC, CMU	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A22A-Texture Paint	48 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
322111650-0064	40 14 mints B/00	0		4000/ Nov. 51 (OH)	Non- Data to I	
2866-A22A-Skim Coat 322111650-0064A	48 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A22B-Texture Paint	48 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
322111650-0065						
2866-A22B-Skim Coat	48 - Lt. pink, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected	
322111650-0065A		Homogeneous				
2866-A22C-Texture Paint	48 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
322111650-0066						
2866-A22C-Skim Coat	48 - Lt. pink, P/SC, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected	
322111650-0066A		Homogeneous				

Analyst(s)

Kieu-anh Pham Duong (65) Nahid Motamedi (56) Jerry Drapala Ph.D, Laboratory Manager or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis . Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing bears no responsibility for sample collection activities or analytical method limitations . The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis . Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

OrderID: 322111650



Asbestos Chain of Custody LA Testing Order Number (Lab Use Only): #3 2 2 1 1 1 6 5 0

PHONE: () FAX: ()

Company: Myounghe	ee Noh & Associates, L.L.0	O.	EMSL Customer ID: 3	32MYOU50)		
Street: 99-1046 Iwae	na Street, Suite 201A		City: Aiea		State/Provi	nce: Hawaii	
Zip/Postal Code: 967	100	y: USA	Telephone #: (808) 85	3-3152	Fax #		
Report To (Name):	anny Falanu	9	Please Provide Results: Fax Email				
Email Address: dans	ny @non-associate	s.com	Purchase Order: 023	66_2			
Project Name/Numbe	r: 2866_2 Internati						
U.S. State Samples Taken: EMSL Project ID (Internal Use Only):							
LA	LA Testing-Bill to: Same Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party						
Turnaround Time (TAT) Options* - Please Check							
	Hour 24 Hour ugh 6 hours, please call ahead	d to schedule.*There is a		6 Hour	1 Week	TAT. You will be a	
to sign an authorization t	to sign an authorization form for this service. Analysis completed in accordance with LA Testing					Analytical Price Gu	iide.
	PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ AHERA 4			TEM- Du	<u>st</u> vac - ASTM [5755	
□ W/ OSHA 8hr. TWA		☐ NIOSH 7402	K, Pan 703		- ASTM D648	37377	
PLM - Bulk (reporting		☐ EPA Level II		- Table 1		EPA 600/J-93/	167)
PLM EPA 600/R-93		☐ ISO 10312			k/Vermiculit		,
PLM EPA NOB (<1		TEM - Bulk		□ PLM (CARB 435 - A	(0.25% sensiti	ivity)
Point Count		☐ TEM EPA NOB		☐ PLM (CARB 435 - E	(0.1% sensitiv	vity)
□ 400 (<0.25%) □ 10		☐ NYS NOB 198.4	4 (non-friable-NY)	☐ TEM	CARB 435 - E	3 (0.1% sensitiv	vity)
Point Count w/Gravime		☐ Chatfield SOP		☐ TEM CARB 435 - C (0.01% sensitivity)			
☐ 400 (<0.25%) ☐ 10			lysis-EPA 600 sec. 2.5	☐ EPA Protocol (Semi-Quantitative) ☐ EPA Protocol (Quantitative)			
☐ NYS 198.1 (friable☐ NYS 198.6 NOB (n		TEM - Water: EP	A 100.2	☐ EPA I	Protocol (Qua	intitative)	_
NYS 198.8 SOF-V		Fibers >10µm	Waste Drinking	Other:			
☐ NIOSH 9002 (<1%))	All Fiber Sizes	Waste Drinking				
☐ Check For Positive	e Stop – Clearly Identify	y Homogenous Gro	up Filter Pore Size (A	Air Sample	s): 🗌 0.8µm	□ 0.45µm	
Samplers Name: Da	nny Falanug, k	cealohi Sarrac	Samplers Signature:	4	y Sal	nus	
Sample #		Sample Description		Volume	Area (Air) (Bulk)	Date/Time Sampled	
2866-AIA	Please	see fie	ed forms	B	uik	6/21/2	4
JAIB	Positiv	leistop 0	Inalysis		1		
V-AIC			,				
2866-A2A							
-A2B		,			/	/	
V-A2C		V			∀	V	
Client Sample # (s):	2866-AIA	28	66-A22C	Total # of	Samples: (66	
Relinquished (Client)	:Danny, Va	Date:	6/22/21		Time:	21:30	
Received (Lab):	(4/ERE)	Date:	6/24/21		Time:	9:30ar	~
Comments/Special In	()	see field f					
	Positive	e Stop anal	4515				

Page 1 of 2 pages

OrderID: 322111650



Asbestos Chain of Custody LA Testing Order Number (Lab Use Only):

PHONE: () FAX: ()

#322111650

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled		
2866-A3A	Please see field forms	Bulk	6/21/21		
1-A3B	Please See field forms Positive Stop analysis		1		
-A3C	1				
			10		
1, 1,					
\bigvee \bigvee					
2866-A2ZA					
1-A22B					
-A22B V-A22C	V	V	\bigvee		
*Comments/Special	Instructions:				

Page Z of Zpages

Survey Dates and Times: 6/8/21

Friable

Area

Hatch

2866-A 3 C

D'comound

HM

Project Number: 2866 2

Sq. flor ACM Building Flr. Rooms Locations Material Substrate Condition Color Color ID Type Diamond Head Wing, Ceiling eaves, walls Lt. Daniel K. P/SC YN Concrete Pink Ewa wing Inouve G (F) P 6,000 International TSI S (M) Airport Barri Sampled Notes Sample ID Sample Location PIC ID 2866-A 1 A mall Ewa wing 51 2866-A 1 B Digmond Head Wing Wall 2866-A 1 C Digmond Head Wind Wall Friable Area Rooms Hatch Material HM ACM Sq. At or Building Locations Condition Flr. Material Substrate Color Color ID Type Diamond Head Wina. Walls, Columns Beige YA Daniel K. PISC Concrete Inouve G F P Ewa Wing (0,000 International TSI S (A) Airport Rabin Sampled Sample ID Sample Location PIC ID Notes Ewa wing 2866-A 2. A Wall 2866-A 2 B Diamond Head column 52 WIAG 2866-A 2 C wall Nigmond Head Wing Area Sq R or Friable Area HM Material Hatch **ACM** Condition Substrate Building Flr. Rooms Locations Material Color ID Color Type Walls, Floor Diamond Head Wing, Black YO Daniel K. Coating Concrete 8,000 Ewa wina Inouve GFP International TSI S (A) Airport Paris Sampled PIC ID Notes Sample ID Sample Location 2866-A 3 A Ewa wing Wall 00060 2866-A 3 B way Dogwood Head wing

Walt

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Material

Inspector Initials: DF, KS

Location: Daniel K. Inouve International Airport

Area

#322111650

	Project Number	: 2866		ogeneous Materials and ve International Airport		Survey Fi or Initials: D		: Asbestos Survey Da	tes and Time	s: 6/8/21	
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. Dor L. ft	Hatch Color
14	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa Wing	Eave	Beige	Textured P/SC	Concrete	Ø F P	Y ҈ TSI S ҈	5,000	//
	Sample ID		Room Sampled	Sample Location	1	PIC ID			Notes		
2866-	A 4 A A 4 B A 4 C		Ewa wing Ewa Wing Diamond Head wing	Eave Eave		63					
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. it or L. ft	Hatch Color
lþ	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa Wing	Floor	Gray	Grout	3"x 9" Cevamic tile	₫F P	Y 🕅	4000	1/
	Sample ID		Resident Sampled	Sample Location		PIC ID			Notes		
	A 5 A A 5 B A 5 C		Ewa wing Ewa wing Diamondhead wing	Floor Floor Floor		06062					
HM ID	Building	Flr.	Area Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. fror L. ft	Hatch Color
18	Daniel K. Inouye International Airport	2	Diamond Head Wing,	Walls	Beige	P/sc	CMU	₫ F P	Y 🐠	1,000	Z
Sample ID Sampled		Sample Location		PIC ID			Notes				
2866-	A 6 A A 6 B A 6 C		Diamond Head Wing	and Head Wing wall 00065							

Page

Of

OrderID: 322111650

Of

	Project Number	: 2866	Hazardous Hom 2 Location: Daniel K. Inouy	ogeneous Materials and re International Airport		Survey Fi		: Asbestos Survey Da	tes and Time	es: 6/8/21	
HM ID	Building	Flr.	Arla Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or	Hatch Color
19	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wind	Road way	Black	expension	Concrete	€ F P	M N TSI S M	2,000	/
	Sample ID		-Recon Sampled	Sample Location		PIC ID			Notes	,	
2866-	A 7 A		Ewa wing	poadway							
2866-			Diamond Head Wing Diamond Head Wing	V		00066					
HM ID	Building	Flr.	Avea -Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ffor L. ft	Hatch Color
20	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa Wing	Walls	Gray	Grout	12"×12" Ceramic tiles	₫ F P	Y ♠ TSI S ♠	200	
	Sample ID		Koon Sampled	Sample Location		PIC ID			Notes		
2866- 2866-	A B B		Ewa wing Ewa wing Diamond Head wing	Wall Wall Wall		000 81					
HM ID	Building	Flr.	Aveq Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or	Hatch Color
21	Daniel K. Inouye International Airport	2	Ewa Wing	.Floor.	Lt: gray	Caulking	Concrete	©F ₽	Y N	500	- Cipper
Sample ID Rosen Sampled		Resem Sampled	Sample Location		PIC ID			Notes			
	А 9 A А 9 B А 9 C		Ewa wing	F1001		00072					

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

	Project Number	: 2866		ogeneous Materials and ve International Airport		or Initials: D		Survey Da	ites and Time	s: 6/8/21	
HM ID	Building	Flr.	Area Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. A or L. ft	Hatch Color
23	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa wing	Walls	Lt. pink	P/sc	Concrete	g ⊕ р	Y N	6,000	ugitton uponin
	Sample ID		Room Sampled	Sample Location		PIC ID			Notes		
2866-	A 16 A A 10 B A 10 C		Ewa wing Ewa wing Digmond Had wing	Wall Wall		00067					
HM ID	Building	Flr.	Area Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. 1) or	Hatch Color
25	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa Wing	walls, Columns	Beige	P/sc	Concrete	₫ F P	Y 🕅 TSI S 🐔	8,000	singular.
	Sample ID		Room Sampled	Sample Location		PIC ID			Notes		
2866-2 2866-2	A [[B	3000	Ewa Ewa Diamond Head Wing	Column Wall		003 68					
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. te or L. ft	Hatch Color
27	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa Wing	Wall	Beige	Plsc	Concrete	€ F P	Y N TSI S W	1,000	M
Sample ID		Recht Sampled	Sample Location		PIC ID			Notes			
2866-A 2 A 2866-A 2 B 2866-A 2 C			EWA WING EWA WING Plannord head Wing	vall vall		00069					

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10

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

	Project Number	: 2866		ye International Airport		or Initials: D			ates and Time	es:	
HM ID	Building	Flr.	Avec Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Q. or L. ft	Hatch Color
29	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Walls, Floor	Black	Coating	Concrete	G⊕ P	Y 🔊	3,000	×
	Sample ID		Jestin Sampled	Sample Location	on	PIC ID			Notes		
	A 13 A A 13 B A 13 C		Ewa Wing Ewa Wing Diamond Head Wing	wall wall		00087					
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or	Hatch Color
30	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa Wing	Floor	Lt. gray	Caulking	Concrete	G € P	Y 🚳	1,000	egerativization.
	Sample ID		Hosen Sampled	Sample Location	on	PIC ID	PIC ID Notes				
2866-	A [4 A A [4 B A [4 C		Ewa Wing Ewa Wing Dlamond Head Wing	Floor Floor		0009%					
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. 7 or L. ft	Hatch Color
32	Daniel K. Inouye International Airport	3	Diamond Head Wing	Eave	White	Textured P/sc	Concrete	@ F P	Y 🐧	3,000	11/
Sample ID Rampled		Sample Location	on	PIC ID Notes							
2866-	A 15 A A 15 B A 15 C		Diamond Head Wing Diamond Head Wing Diamond Head Wing	Eave Eave		00075					

#3 2 2 1 1 1 6 5 0

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos 5 0

	Project Number	: 2866	2 Location: Daniel K. Inou	ye International Airport	Inspecto	or Initials: D	F, KS	Survey Da	tes and Time	The second second second second second	
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. At or	Hatch Color
37	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Road way	White Black	expension	concrete	₫ F P	Y 🚱	2,000	//
	Sample ID		Room Sampled	Sample Location		PIC ID			Notes		
2866-	A b A A b B A b C		Diamond Head wing Diamond Head wing Diamond Head Wing	Rundway Rundway Rundway		00076					
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. For L. ft	Hatch Color
38	Daniel K. Inouye International Airport	3	Diamond Head Wing,	walls	Gray	Grout	12"x 12" Ceramic tiles	⑥ F P	Y M	200	
	Sample ID		Room Sampled	Sample Location		PIC ID	Notes				
2866- 2866- 2866-			Diamond Head Wing Diamond Head Wing Diamond Head Wing	Wall Wall		00099		40.50			
HM ID	Building	Flr.	Area	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or	Hatch Color
40	Daniel K. Inouye International Airport	3	Ewa Wing	Road Way	white	Coating	Concrete	G 🕞 P	Y Ø	20	
Sample ID Sampled		Sample Location	Sample Location PIC ID				Notes				
2866-	A \		Ewa Wing Ewa Wing Ewa Wing	Road way Road way Road way		Olol					

#322111650

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos Location: Daniel K. Inouve International Airport Inspector Initials: DF. KS Survey Dates and Times: Project Number: 2866 2 Friable Area Sq. 6 or Area Hatch HM Material **ACM** Condition Building Flr. Locations Material Substrate Color Color ID Type MUM Ewg Wing Roadway YN Daniel K. SKIM Gray Concrete 3 100 Inouve G F P Coat International TSI S A Black Airport Room Sampled pen PIC ID Notes Sample ID Sample Location Wing 2866-A 19 A TWa Boadwar Roadwar 19 B FINA 6102 WING 2866-A 2866-A 19 C Wing FWa Friable Area Material Hatch HM ACM Sq. R or Condition Building Locations Substrate Flr. Material Color Color ID Type Diamond Head Wing Ceiling, eaves Beige YE Concrete PISC Daniel K. 1 Inouye G F P 3,000 International TSI S 🚳 Airport Resin Sampled Sample Location PIC ID Notes Sample ID Diamond Head wing 2866-A 20 A Ceiling 81000 2866-A 20 B 2866-A 20C Friable Aree Hatch Material HM (q.) it or **ACM** Condition Locations Material Substrate Building Flr. Color Color ID Type Wall Diamond Head Wind Beige YN Daniel K. CMU P/SC Inouve GF P 2000 International TSI S M Airport Ach Sampled PIC ID Sample Location Notes Sample ID Diamond 2866-A 2) A Head Wall Wing 00017 2866-A 2\ B Wall 2866-A 2\C Wall

Page

9

Of

	Project Number	. 2000		- International Tall pott		or Initials: D	T		tes and Time Friable		
HM ID	Building	Flr.	Area Rooms	Locations	Material Color	Material	Substrate	Condition	ACM Type	Area 64. It or L. ft	Hatch Color
48	Daniel K. Inouye International Airport	1	Diamond Head Wing	Columns, Walls	Lt. Pink	P/sc	Gncrete	ØF P	y 🚱 TSI S 🔇	1,000	
Sample ID Room Sampled		Sample Location		PIC ID			Notes	-			
2866-	A 22A		Diamond Head Wing	Column					153123312		
	A22 B		1,	Column		00021					
2866-	A22C	,	V	Wall							
HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							GFP	Y N TSI S M		
	Sample ID		Room Sampled	Sample Location		PIC ID			Notes		
2866-	A A										
2866-											
2866- HM			D. C.		Material				Friable	Area	Hatch
ID	Building	Flr.	Rooms	Locations	Color	Material	Substrate	Condition	ACM Type	Sq. ft or L. ft	Color
	Daniel K. Inouye								Y N		
	International Airport							GFP	TSI S M		
	Sample ID	310	Room Sampled	Sample Location		PIC ID		- We the	Notes		
2866-	A A										- In the
2866-	A B										
2866-	A C										



LA Testing

520 Mission Street South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111885 Customer ID: 32MYOU50

Customer PO: Project ID:

Attention: Danny Falanug

Myounghee Noh & Associates, LLC

99-1046 Iwaena Street

Suite 210A

Aiea, HI 96701

Project: REF PLM REPORT: 322111650 | 2866_2 International Airport

(808) 484-9214 Phone:

Fax:

Received: 06/28/2021 5:55 PM

Analysis Date: 06/30/2021

Collected:

Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

			<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A1A-Skim Coat 322111885-0001	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A1B-Skim Coat 322111885-0002	2 - Lt. pink, P/SC,	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A1C-Skim Coat 322111885-0003	2 - Lt. pink, P/SC,	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A10A-Compo site Texture Paint/Skim Coat 322111885-0004	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A10B-Compos ite Texture Paint/Skim Coat 322111885-0005	23 - Lt. pink, P/SC, concrete	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A10C-Compos ite Texture Paint/Skim Coat 322111885-0006	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
2866-A11B-Concret e 322111885-0007	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A12A-Comp Texture Paint/Skim Coat 322111885-0008	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing LA Testing bears no responsibility for sample collection activities or analytical method limitations . The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 06/30/2021 11:28:52



LA Testing

520 Mission Street South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111885 Customer ID: 32MYOU50

(808) 484-9214

Received: 06/28/2021 5:55 PM

06/30/2021

Customer PO: Project ID:

Attention: Danny Falanug

99-1046 Iwaena Street

Suite 210A

Aiea, HI 96701

Myounghee Noh & Associates, LLC

Analysis Date:

Collected:

Phone:

Fax:

Project: REF PLM REPORT: 322111650 | 2866_2 International Airport

Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

			Non-	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A12B-Comp Texture Paint/Skim Coat 322111885-0009	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile
2866-A12C-Comp Texture Paint/Skim Coat 322111885-0010	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1%Chrysotile

Analyst(s)	
Guillermo Hernandez (10)	

Jerry Drapala Ph.D, Laboratory Manager or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 06/30/2021 11:28:52

McKissack, Annette

#322111885

From:

Cavadini, Randy

Sent:

Monday, June 28, 2021 5:55 PM

To:

LA Testing Lab - Pasadena

Subject:

FW: Point Count Request

Hello again Pas lab,

Kristin has one more sample that she'd like point counted, in conjunction with her previous request.

Thanks!



Randy Cavadini | Regional Sales Account Manager EMSL Analytical, Inc. | 3356 West Catalina Dr. | Phoenix, AZ 85017 Phone: 602-652-2073 Cell: 213-393-8207 | Fax: 602-276-4053 | Toll Free: 866-798-1089

COVID-19 Update: EMSL Analytical, Inc. remains open as an essential business. To view real-time status updates for each of our 46 laboratories in the US and Canada, download EMSL's free smart device application via the <u>iTunes App</u> <u>Store - Apple</u> or <u>Google Play</u>. APP updates are posted under Support / Lab Hours.

Some of the resources EMSL Analytical, Inc. offers to our clients:

<u>LABConnect</u> | <u>Order Products</u> | <u>Client Corner</u> | <u>Training</u> | <u>Additional Resources</u> | <u>Sampling Videos</u>

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From: Kristin Cabanila <kristin@noh-associates.com>

Sent: Monday, June 28, 2021 17:32

To: Cavadini, Randy <rjcavadini@EMSL.com>

Cc: Kealohi Serrao <Kealohi@noh-associates.com>; Danny Falanug <danny@noh-associates.com>

Subject: RE: Point Count Request

[EXTERNAL E-MAIL]

Randy,

My apologies. I need to add one more sample to the point count order,

2866-A11B-Comp texture paint/skim coat

Thank you for your help.

Kristin Cabanila Office Manager

From: Cavadini, Randy [mailto:rjcavadini@EMSL.com]

#322111885

Sent: Monday, June 28, 2021 1:09 PM

To: Kristin Cabanila <kristin@noh-associates.com>

Cc: Kealohi Serrao < Kealohi@noh-associates.com >; Danny Falanug < danny@noh-associates.com >

Subject: RE: Point Count Request

Hi Kristin,

I'll pass this along to the lab, and will let you know if there are any issues. Thanks!



Randy Cavadini | Regional Sales Account Manager
EMSL Analytical, Inc. | 3356 West Catalina Dr. | Phoenix, AZ 85017
Phone: 602-652-2073 Cell: 213-393-8207 | Fax: 602-276-4053 | Toll Free: 866-798-1089

COVID-19 Update: EMSL Analytical, Inc. remains open as an essential business. To view real-time status updates for each of our 46 laboratories in the US and Canada, download EMSL's free smart device application via the <u>iTunes App Store - Apple</u> or <u>Google Play</u>. APP updates are posted under Support / Lab Hours.

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From: Kristin Cabanila < kristin@noh-associates.com>

Sent: Monday, June 28, 2021 16:08

To: Cavadini, Randy <ri>cavadini@EMSL.com>

Cc: Kealohi Serrao < Kealohi@noh-associates.com >; Danny Falanug < danny@noh-associates.com >

Subject: Point Count Request

Importance: High

[EXTERNAL E-MAIL]

Aloha,

Can I get 1000-point counting for the following samples from the attached lab report:

2866-A1A-Skim coat

2866-A1B-Skim coat

2866-A1C-Skim coat

2866-A10A-Composite

2866-A10B-Composite

2866-A10C-Composite

2866-A12A-Composite

2866-A12B-Composite

2866-A12C-Composite

Please utilize a three day TAT, if feasible.

Thank you,

#322111885

Our business is essential to public safety, and we continue our best efforts to provide you with uninterrupted services. We wish you and your loved ones safety and good health.

Kristin Cabanila Office Manager Hilo: (808) 769-4221 Cell: (808) 937-8422

Myounghee Noh & Associates, L.L.C.
Environmental Studies & Consulting Services

99-1046 Iwaena Street, Suite 210A, Aiea, HI 96701; Tel 808-484-9214
16-643 Kipimana Street, Suite 12, Keaau, HI 96749 • +1 808-769-4221
215 Rojas Street, Suite 100, Ixora Industrial Park, Harmon, Guam 96913
www.noh-associates.com

#322111885



LA Testing

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http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111650 Customer ID: 32MYOU50 Customer PO: 02866_2

Project ID:

Attention: Danny Falanug

Myounghee Noh & Associates, LLC

99-1046 Iwaena Street

Suite 210A

Aiea, HI 96701

Project: 2866_2 International Airport

Phone: (808) 484-9214

Fax:

Received Date: 06/24/2021 9:30 AM Analysis Date: 06/25/2021 - 06/28/2021

Collected Date: 06/08/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-As	bestos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
2866-A1A-Texture Paint	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A1A-Skim Coat	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile	
2866-A1B-Texture Coat	2 - Lt. pink, P/SC, concrete	Pink/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A1B-Skim Coat	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile	
2866-A1C-Texture Paint	2 - Lt. pink, P/SC, concrete	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A1C-Skim Coat	2 - Lt. pink, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile	
2866-A2A-Texture Paint	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A2A-Skim Coat	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A2B-Texture Paint	4 - Beige, P/SC, concrete	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A2B-Skim Coat	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A2C-Texture Paint	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A2C-Skim Coat	4 - Beige, P/SC, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A3A 322111650-0007	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A3B-Silver Paint	12 - Black, coating, concrete	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
2866-A3B-Coating	12 - Black, coating, concrete	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile	
2866-A3C	12 - Black, coating, concrete				Positive Stop (Not Analyzed)	
322111650-0009						

Initial report from: 06/28/2021 10:11:30



LA Testing

#322111885

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111650

Customer ID: 32MYOU50 Customer PO: 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	Asbestos % Type
2866-A9B	21 - Lt. gray, caulking,	Gray	70 - 10-10-0	100% Non-fibrous (Other)	None Detected
322111650-0026	concrete	Non-Fibrous Homogeneous			
2866-A9C-Caulking	21 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0027		Homogeneous			
2866-A9C-Mastic	21 - Lt. gray, caulking, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0027A		Homogeneous			Anneath and continues to
2866-A10A-Composite Texture Paint/Skim Coat	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0028 Unable to separate		Tiomogorioodo			
2866-A10B-CompTextur e Paint/Skim Coat	23 - Lt. pink, P/SC, concrete	Beige Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0029 Unable to separate		Homogeneous			
2866-A10C-Comp Texture Paint/Skim Coat	23 - Lt. pink, P/SC, concrete	Gray/Beige Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0030 Unable to separate		Heterogeneous			
2866-A11A-Comp Texture Paint/Skim Coat	25 - Beige, P/SC, concrete	Gray/Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0031	concrete	Homogeneous			
2866-A11A-Mastic	25 - Beige, P/SC,	Black		100% Non-fibrous (Other)	None Detected
322111650-0031A	concrete	Non-Fibrous Homogeneous			
2866-A11B-Comp	25 - Beige, P/SC,	Gray/Beige		100% Non-fibrous (Other)	<1% Chrysotile
Texture Paint/Skim Coat	concrete	Non-Fibrous Homogeneous			
322111650-0032	2012000000	2			
2866-A11B-Concrete	25 - Beige, P/SC, concrete	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A11C-Texture	25 - Beige, P/SC,	Gray/White		100% Non-fibrous (Other)	None Detected
Paint	concrete	Non-Fibrous Homogeneous			
322111650-0033 No SC present for analysis.					
2866-A11C-Concrete	25 - Beige, P/SC,	Gray Non Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0033A	concrete	Non-Fibrous Homogeneous			
2866-A12A-Comp Texture Paint/Skim Coat	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0034 Unable to separate		Heterogeneous			
2866-A12B-Comp Texture Paint/Skim Coat	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0035		Heterogeneous			



LA Testing #322111885
520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322111650 Customer ID: 32MYOU50 Customer PO: 02866_2

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized **Light Microscopy**

01-	Description	Annahin	Non-Asbe		Asbestos
Sample Touture	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A12C-Texture Paint/Skim Coat	27 - Beige, P/SC, concrete block	Gray/Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
322111650-0036 Unable to separate					
2866-A13A-Coating 1	29 - Black, coating, concrete	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0037		Homogeneous			
2866-A13A-Coating 2/Texture Like	29 - Black, coating, concrete	Gray/Black Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
322111650-0037A Unable to separate					
2866-A13A-Vinyl Wire	29 - Black, coating,	Gray		100% Non-fibrous (Other)	None Detected
Wrap Like	concrete	Non-Fibrous Homogeneous			
322111650-0037B	77 45 55 55 55		VIII AT NOTE.	191. (1) . 8 (
2866-A13A-Mesh	29 - Black, coating, concrete	Black Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
	20 Block costine			100% Non Ehrous (Other)	None Detected
2866-A13B-Coating 1	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2866-A13B-Penetration	29 - Black, coating,	Gray/Black		90% Non-fibrous (Other)	10% Chrysotile
Mastic	concrete	Fibrous Homogeneous		50% Horenbroas (Other)	10 % Onlysould
322111650-0038A					
2866-A13B-Paint/Coatin g 2	29 - Black, coating, concrete	Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
322111650-0038B		•			
2866-A13B-Texture Like	29 - Black, coating, concrete	Beige Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0038C		Homogeneous			
2866-A13C-Coating	29 - Black, coating, concrete	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0039		Homogeneous			Jan Silvania State
2866-A13C-Concrete	29 - Black, coating, concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	20 Black coation			100% Non-fibrous (Other)	None Detected
2866-A13C-Mastic	29 - Black, coating, concrete	Gray/Beige Non-Fibrous Homogeneous		100% Non-librous (Other)	None Detected
2866-A14A-Mastic	30 - Lt. gray, caulking, concrete	Black Non-Fibrous		98% Non-fibrous (Other)	2% Chrysotile
322111650-0040		Homogeneous			
2866-A14A-Caulk	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0040A		Homogeneous			
2866-A14B-Mastic	30 - Lt. gray, caulking, concrete				Positive Stop (Not Analyzed)
322111650-0041	A A STATE OF THE S				
2866-A14B-Caulk	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
322111650-0041A	00 14 ""	Homogeneous		1000/ Nov Eberry (Others)	None Detected
2866-A14C	30 - Lt. gray, caulking, concrete	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected

Initial report from: 06/28/2021 10:11:30



LA Testing

Attention: Danny Falanug

520 Mission Street South Pasadena, CA 91030

Myounghee Noh & Associates, LLC

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

 LA Testing Order:
 322114684

 Customer ID:
 32MYOU50

 Customer PO:
 02866_2

Project ID:

Phone: (808) 484-9214

Fax:

Received Date: 08/12/2021 9:30 AM

Analysis Date: 08/14/2021 **Collected Date:** 08/11/2021

Aiea, HI 96701 **Project:** 2866_2 International Airport

Suite 210A

99-1046 Iwaena Street

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbe	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2866-A23A	49	Gray/Black Fibrous	10% Cellulose	70% Non-fibrous (Other)	20% Chrysotile
322114684-0001		Heterogeneous			
2866-A23B	49				Positive Stop (Not Analyzed)
322114684-0002					
2866-A23C	49				Positive Stop (Not Analyzed)
322114684-0003					

Analyst(s)	
John Talley (1)	

Jerry Drapala Ph.D, Laboratory Manager or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis . Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 08/14/2021 10:58:49



Asbestos Chain of Custody LA Testing Order Number (Lab Use Only):

#200114604

PHONE: (FAX: ()

	11022	11400	**			
Company : Myoungh	nee Noh & Associates, L.L.	C.	EMSL Customer ID: 3	32MYOU50		
Street: 99-1046 lwa	ena Street, Suite 201A		City: Aiea	Sta	ate/Province:	Ha <mark>w</mark> aii
Zip/Postal Code: 96		y: USA	Telephone #: (808) 85		Fax #:	
	Danny Falanua	3	Please Provide Results: Fax		Email	
Email Address:			Purchase Order: 02	866_2		
	er:2866_2 Interna			: Commerc	cial 🗌 Resider	ntial
U.S. State Samples			(Internal Use Only):			
1	A Testing-Bill to: Sar Third Part		Bill to is Different note inst tten authorization from thi		mments**	
			Options* - Please Ch			
	6 Hour 24 Hour			96 Hour	1 Week	2 Week
to sign an authorization	rough 6 hours, please call ahea n form for this service. Analysi	id to scriedule." There is a is completed in accordar	a premium charge for 3 Hour T nce with LA Testing's Terms ar	nd Conditions loca	ted in the Analytica	al Price Guide.
	if samples are from NY		5hr TAT (AHERA only)	TEM- Dust		
☐ NIOSH 7400		☐ AHERA 40 CF	R, Part 763	_	- ASTM D 5755	
w/ OSHA 8hr. TV	PLM - Bulk (reporting limit)			☐ Wipe - AS		200/1 00/107
		EPA Level II			onication (EPA	500/J-93/16/)
PLM EPA 600/R-9		ISO 10312		Soil/Rock/Vermiculite PLM CARB 435 - A (0.25% sensitivity)		
PLM EPA NOB (<	170)	TEM - Bulk ☐ TEM EPA NOB	1			
□ 400 (<0.25%) □ 1000 (<0.1%)			4 (non-friable-NY)	☐ PLM CARB 435 - B (0.1% sensitivity) ☐ TEM CARB 435 - B (0.1% sensitivity)		
Point Count w/Gravimetric		☐ Chatfield SOP	. (☐ TEM CARB 435 - C (0.01% sensitivity)		
☐ 400 (<0.25%) ☐ 1000 (<0.1%)		☐ TEM Mass Ana	alysis-EPA 600 sec. 2.5	☐ EPA Prote	ocol (Semi-Qua	ntitative)
☐ NYS 198.1 (friable		TEM - Water: EF	PA 100.2	☐ EPA Prote	ocol (Quantitativ	/e)
☐ NYS 198.6 NOB☐ NYS 198.8 SOF-		Fibers >10µm	Waste Drinking	Other:		
☐ NIOSH 9002 (<1		All Fiber Sizes	Waste Drinking			
	ve Stop – Clearly Identif			Air Samples):	□ 0.8µm □ 0	.45µm
	Danny Falo		Samplers Signature:	Wa.	101	ans
Sample #		Sample Descriptio	n	Volume/Are HA # (Bu		ate/Time Sampled
2866-A23A	Black Wateron		oncrete Roadway	0	1	21 , 10:30
	DIACH WATER PIE	1	errer er e renguar		6/11	1
2866-A23B						1
2866-A23C		V		V		1/
						*
				-	_	
Client Sample # (s):	2866-A23A -		2866-A23C	Total # of Sar	nnles: 3	
		11	/	TOTAL # OF SAL	inpico.	.00
Relinquished (Clien	t): Knny	Many Date:	, ,		Time: 14:	700
Received (Lab):	1 (OTIEN	Date:	8/0/21		Time:	-/12
Comments/Special	Instructions:				(FE-	
					(FE-	E
						-

Page 1 of ____ pages

	Project Number	: 2866		ogeneous Materials and re International Airport	1 Sampling Inspecto	Survey F r Initials: D	ield Form F, KS	: Asbestos Survey Da	tes and Time	es: 8/11/21	, 10:00
HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ftlor L. ft	Hatch Color
49	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Proadways	Black	waterproofing	CC	G 🕞 P	Y 🔊	92,000	M
	Sample ID		Room Sampled	Sample Location		PIC ID			Notes	0F	
2866-	A 23 A		Diamond Head Wing	Rogdway			This Ma	terial is	located	woden	
	A 23B		1	1		8265	beneath	n approxi	matery	35"	24
2866-	A 2 3 C		V	V			concret	e rodaw			
HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							GFP	Y N		
- 540	Sample ID		Room Sampled	Sample Location	n	PIC ID			Notes	2111	
2866-	A A										
2866-	А В										
2866-	A C										
HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or L. ft	Hatch Color
	Daniel K.								Y N		
	Inouye International Airport							GFP	TSI S M		
	Sample ID		Room Sampled	Sample Locatio	n	PIC ID			Notes		1-17
2866-	A A		10000								
2866-	A B										
2866-	A C										



Hawaii Analytical Laboratory ANALYTICAL REPORT

Friday, June 25, 2021

Ms. Myounghee Noh Myounghee Noh & Associates, LLC 99-1046 Iwaena St. Suite 210A

Aiea HI 96701

Phone Number: (808)484-9214

Facsimile:

Email: myounghee@noh-associates.com

Lab Job No: 202105889 **Date Submitted:** 6/23/2021

Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

	Total Lead (paint chips)			
	NIOSH Method: 7082m LEAD by FAAS			Date
Sample No.	Your Sample ID / Description	Results	Units	Analyzed
202136629	2866-P1A	56	mg/kg	6/24/2021
Comments				
202136630	2866-P1B	49	mg/kg	6/24/2021
Comments				
202136631	2866-P2A	40	mg/kg	6/24/2021
Comments	2000-1 2A		9	0/24/2021
202136632	2866-P2B	550	mg/kg	6/24/2021
Comments			3- 3	0,2 1,202 1
202136633	2866-P3A	< 40	mg/kg	6/24/2021
Comments	2000 1 001			0,21,2021
202136634	2866-P3B	< 40	mg/kg	6/24/2021
Comments	2000-7-515	. 10	g/Ng	0/24/2021
202136635	2000 DAA	< 40	mg/kg	6/24/2021
Comments	2866-P4A	~ 40	mg/kg	0/24/2021
202136636 Comments	2866-P4B	< 40	mg/kg	6/24/2021
Comments				

99-1046 Iwaena St. Suite 210A

Phone Number: (808)484-9214

Facsimile:

Aiea HI 96701 Email: myounghee@noh-associates.com

Lab Job No: 202105889 **Date Submitted:** 6/23/2021

Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

NIOSH Method: 7082m LEAD by FAAS			Date								
Your Sample ID / Description	Results	Units	Analyzed								
2866-P5A	79	mg/kg	6/24/2021								
2866-P5B	190	mg/kg	6/24/2021								
2866-P6A	< 40	mg/kg	6/24/2021								
2866-P6B	< 40	mg/kg	6/24/2021								
2866-P7A	< 40	mg/kg	6/24/2021								
2866-P7B	4200	mg/kg	6/24/2021								
2866-P8A	550	mg/kg	6/24/2021								
2866-P8B	< 40	mg/kg	6/24/2021								
2866-P9A	27000	mg/kg	6/24/2021								
2866-P9B	38000	mg/kg	6/24/2021								
2866-P10A	< 40	ma/ka	6/24/2021								
	-	J. J									
	2866-P5B 2866-P6A 2866-P6B 2866-P7A 2866-P7B 2866-P8B 2866-P8B	NIOSH Method: 7082m LEAD by FAAS 2866-P5A 79 2866-P5B 190 2866-P6A < 40	NIOSH Method: 7082m LEAD by FAAS Results Units 2866-P5A 79 mg/kg 2866-P5B 190 mg/kg 2866-P6A < 40								

99-1046 Iwaena St. Suite 210A

Phone Number: (808)484-9214

Facsimile:

Aiea HI 96701 Email: myounghee@noh-associates.com

Lab Job No: 202105889 **Date Submitted:** 6/23/2021

Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

	Total Lead (paint chips)											
	NIOSH Method: 7082m LEAD by FAAS	P "		Date								
Sample No.	Your Sample ID / Description	Results	Units	Analyzed								
202136648	2866-P10B	< 40	mg/kg	6/24/2021								
Comments												
202136649	2866-P11A	130000	mg/kg	6/24/2021								
Comments												
202136650	2866-P11B	110000	mg/kg	6/24/2021								
Comments												
202136651	2866-P12A	< 40	mg/kg	6/24/2021								
Comments												
202136652	2866-P12B	< 40	mg/kg	6/24/2021								
Comments												
202136653	2866-P13A	< 40	mg/kg	6/24/2021								
Comments												
202136654	2866-P13B	56	mg/kg	6/24/2021								
Comments												
202136655	2866-P14A	< 40	mg/kg	6/24/2021								
Comments												
202136656	2866-P14B	170	mg/kg	6/24/2021								
Comments												
202136657	2866-P15A	220	mg/kg	6/24/2021								
Comments			<i>a</i> a	U. Z. 11 Z UZ 1								
202136658	2866-P15B	9500	mg/kg	6/24/2021								
Comments	2000 1 100	3000	9,119	U1∠ 4 1∠U∠ I								

99-1046 Iwaena St. Suite 210A

Aiea HI 96701

Phone Number: (808)484-9214

Facsimile:

Email: myounghee@noh-associates.com

Lab Job No: 202105889 Date Submitted: 6/23/2021

2866_2, Daniel K. Inouye International Airport, 6/21/21 **Your Project:**

	Total Lead (paint chips)			
	NIOSH Method: 7082m LEAD by FAAS			Date
Sample No.	Your Sample ID / Description	Results	Units	Analyzed
202136659 Comments	2866-P16A	< 40	mg/kg	6/24/2021
202136660 Comments	2866-P16B	130	mg/kg	6/24/2021
202136661 Comments	2866-P17A	< 40	mg/kg	6/24/2021
202136662 Comments	2866-P17B	< 40	mg/kg	6/24/2021
202136663 Comments	2866-P18A	< 40	mg/kg	6/24/2021
202136664 Comments	2866-P18B	< 40	mg/kg	6/24/2021
202136665 Comments	2866-P19A	< 40	mg/kg	6/24/2021
202136666 Comments	2866-P19B	< 40	mg/kg	6/24/2021
202136667 Comments	2866-P20A	< 40	mg/kg	6/24/2021
202136668 Comments	2866-P20B	< 40	mg/kg	6/24/2021
202136669 Comments	2866-P21A	420	mg/kg	6/24/2021

99-1046 Iwaena St. Suite 210A

Phone Number: (808)484-9214

Facsimile:

Aiea HI 96701 Email: myounghee@noh-associates.com

Lab Job No: 202105889 **Date Submitted:** 6/23/2021

Your Project: 2866_2, Daniel K. Inouye International Airport, 6/21/21

	Total Lead (paint chips)											
	NIOSH Method: 7082m LEAD by FAAS			Date								
Sample No.	Your Sample ID / Description	Results	Units	Analyzed								
202136670	2866-P21B	330	mg/kg	6/24/2021								
Comments												
202136671	2866-P22A	< 40	mg/kg	6/24/2021								
Comments												
202136672	2866-P22B	< 40	mg/kg	6/24/2021								
Comments												
202136673	2866-P23A	46	mg/kg	6/24/2021								
Comments			-									
202136674	2866-P23B	78	mg/kg	6/24/2021								
Comments												
202136675	2866-P24A	82	mg/kg	6/24/2021								
Comments												
202136676	2866-P24B	250	mg/kg	6/24/2021								
Comments												
202136677	2866-P25A	94	mg/kg	6/24/2021								
Comments												
202136678	2866-P25B	120	mg/kg	6/24/2021								
Comments												
202136679	2866-P26A	< 40	mg/kg	6/24/2021								
Comments			<u>-</u>	0,2 H202 I								
202136680	2866-P26B	< 40	mg/kg	6/24/2021								
Comments	2000-T 20D	- 70	1119/119	0/2 4 /2021								

Ms. Myounghee Noh

Myounghee Noh & Associates, LLC Phone Number: (808)484-9214

99-1046 Iwaena St. Suite 210A

Aiea HI 96701

Email: myounghee@noh-associates.com

Lab Job No: 202105889 **Date Submitted:** 6/23/2021

Your Project: 2866 2, Daniel K. Inouye International Airport, 6/21/21

All Quality Control data are acceptable unless otherwise noted.

MRL for lead air is 5ug. MRL for lead wipe is 10ug.

MRL for lead paint or soil is 40 mg/kg for a 0.25g sample.

General Comments

The sample[s] analysis subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. All analysts participate in interlaboratory quality control testing to continuously document profiency. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory. This report should not be construed as an endorsement for a product or a service by the AlHA LAP, LLC or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. TWA values have been calculated based on information supplied by the client that the laboratory has not independently verified. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

Facsimile:

Results and Symbols Definitions

- > This testing result is greater than the numerical value listed.
- < This testing result is less than the numerical value listed.

Verif the Lian

= Analytical methods marked with an "#" are not within our AIHA LAP, LLC Scope of Accreditation.

MRL = Method Reporting Limit.

Jennifer Hsu Liao

Laboratory Manager

\sim	☐ New Client?						
HAWAII ANALYTICAL	Report To*	: Dann	y Falanug & Kris	tin Cabanila	Invoice To*	: Myounghee	Noh & Associates, L.L.C.
LABORATORY, LLC	Company	: Myoung	hee Noh & Asso	ociates, L.L.C.	Company	: Myounghee	Noh & Associates, L.L.C.
	Address*	: 99-104	16 Iwaena Street	t, Suite 210A	Address*	: 99-1046 lv	vaena Street, Suite 210A
			Aiea, Hawaii 9	6701		Aie	ea, Hawaii 96701
	Phone / Cell No.*	:Cell: 808	-227-7730, Cell:	808-391-2202	Phone / Cell No.*	: Offi	ice: 808-484-9214
615 Harding Avenue, Suite 308 onolulu, HI 96816 h: 808-735-0422 - Fax: 808-735-0047 ttps://analyzehawaii.com	Report results to Email / Fax		y Falanug & Kris	tin Cabanila	Purchase Order No. Email Invoice To		02866_2 @noh-associates.com
eed Results By*:		,,,		0			9
□2 WD	Site/Project Name: Campa Tn+erna+	Maral air	90 C+		Project No.: 2866_2	Verbal results?	Sampled By & Certif. # : Danny Falanug (Pb-066)
☐ 24 hours ☐ 6 hours or less	Special Instructions: Plea	ase see f	ield form	15	PLM POSITIVE STO	OP Instructions:	Lab Report No.:
4 hours or less 1-2 hours	Special Instructions: Plea			mg/KS	☐ + stop / SAMPLE ☐ + stop / LAYER		20210588
Sample ID San	nple Description*	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Area / Air Volume	Analysis Requested*	Method Reference	Lab Sample(s) No.:
2866-PIA Please	see field forms		Paint Chips	7 All Volume	Pb Lead	NIOSH 7082m	
	1	,	1		4		
-PIB							
		1					
$\sqrt{\sqrt{1-1}}$						1 2 1	
PC(- D2(h							
866-P26A	1/	1 1	\vee	1/	 	1 1	
V -P26B	V		V	V		I V	
Relinquished	By (Print and Sign)		Date/Time		Received By (Print and Corin Form		Date/Time
anny Falanug, Vanns	Lolang	5/10/	2021 6/22/21	, 21:30	Corm For	1 /	06-23-21 A10:17

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint Survey Dates and Times: 6/8/21/6/11, 6/21 Location: Daniel K. Inouye International Airport Project Number: 2866 2 Inspector Initials: DF, KS HM Material Building Area Hatch Flr. Areas Locations Material Substrate Condition ID Sq. ftor L. ft Color Color Diamond Head wing, Ceiling, eaves, walls. Daniel K. Concrete Pink Paint Ewa wing Inouye 2 G P 6,000 International Airport Sample ID Area Sampled Sample Location PIC ID Notes 2866-P 1 A 202136629 EWA WIM Wall 51 2866-P 1 B Diammed Head Wing 202136630 Wall HM Material Hatch Building Area Flr. Areas Locations Material Substrate Condition ID 8q. ftor L. ft Color Color Diamond Head wing, Wall, Columns, Raves Daniel K. Beige Concrete Paint Inouve Ewa Wina 3 (G) F P 10,000 International Airport Sample ID Area Sampled Sample Location PIC ID Notes 2866-P 2 A 202136631 202136632 Ewa wing wall 52 2866-P 2 B Diamond Head wing Column HM Area or L. ft Material Hatch Building Flr. Areas Locations Substrate Material Condition ID Color Color Diamond Head Wing Ceiling concrete Daniel K. Black Paint Inouye two wing 2,000 G(F) P International Airport Sample ID Area Sampled Sample Location PIC ID Notes Diamond Head Wing Eva Wing 2866-P 3 A coiling 202136633 53 2866-P 3 B ceiling 202136634

2866-P 6 B Ewa wing 2866-P 6 B Diamond Hand Wing			Diamond Hood Wing	Road way		57		213663 213664	107	
866-1	Sample ID		Area Sampled	Sample Locatio	n	PIC ID			otes	
8	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Road way	white	Paint	AsphaH	G 🛱 P	200	++
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
	Р 5 В		V	V		56	The state of the state of	313663		
	P 5 A		Diamond Head wing	Conduit	-		2.0:	113663		
	Sample ID		Area Sampled	Sample Location	on	PIC ID		N	otes	
7	Daniel K. Inouye International Airport	2	Diamond Head wing, Ewa wing	Conduits	Lt. Pink	Pain+	Metal	Ø F P	40	4
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or E. ft	Hatch Color
	-P 4 B		Ewa wing	brack	A	54		213663		
	-P 4 A		Diamond Head wing	condui	+		200	213663		-
	Sample ID		Area Sampled	Sample Locati	on	PIC ID		N	lotes	
6	Daniel K. Inouye International Airport	2	Diamond Head Wing Ewa Wing	Brackets, trims, Conduits	Black	Paint	Metal	G € P	1,000	//
ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatc Colo

	Project Number	er: 286	6 2 Location: Daniel K. Inou	ye International Airport	Inspector Initial			Dates and	Γimes:	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. it or L. ft	Hatch Color
9	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Curb side	Red	paint	Concrete	G 🗗 P	1,000	
	Sample ID		Area Sampled	Sample Location	on	PIC ID		N	lotes	
2866-	P 7 A		Ena Wing	curb			207	213664	.1	
2866-	Р 7 В		Diamond Head Wing	carb		58	202	13664	2	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	of Area	Hatch Color
10	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa Wing	Road way	Yellow	Paint	As Phait	G 🕞 P	200	as es to the
	Sample ID		Area Sampled	Sample Location	on	PIC ID		N	lotes	
2866-	-P ? A		Ewa wing	Roadwa	IY	Pa	20	21366 21366	43	
2866-	Р 🖇 В		Diamond Head Wing	Ruadwa		59	20	21366	44	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
11	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa Wing	Curbside	Yellow	Pain+	Concrete	G 🕏 P	1,500	La series de la se
	Sample ID		Area Sampled	Sample Location	on	PIC ID		N	lotes	
2866-	-P 9 A		Ewa Wing	curb		0267	20	21366	45	
2866-	Р9В		Diamond Hed Wing	curb		8257		21366		

	Project Number	er: 286	6 2 Location: Daniel K. Inouye	e International Airport	Inspector Initia		Survey	Dates and	Times: 6/8/21		
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. At or L. ft	Hatch Color	
13	Daniel K. Inouye International Airport	2	Diamond Head Wing, Ewa wing	Eaves	Beige	Textured Paint	Concrete	© F P	5,000	11	
	Sample ID		Area Sampled	Sample Location	on	PIC ID		N	lotes		
2866-	PIOA		Ewa wing	Eave		10	20	21366	<i>ለ</i> '7		
2866-	PIOB		Diamond Head wing	Eave		63	4.5	21366			
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. Mor L. ft	Hatch Color	
15	Daniel K. Inouye International Airport	2	Diamond Head Wing	Guardrail	Silver	Paint	Metal	G F €	80	P	
	Sample ID		Area Sampled	Sample Location	on	PIC ID		N	lotes		
2866-	P (A		Diamond Head wing	Guardrail	- H-	92=11	2.03	213664	19		
2866-	P \ \B		Diamond Head Wing	Guardrail	-×-	8274	74.04.7	21366			
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area or L. ft	Hatch Color	
17 指	Daniel K. Inouye International Airport	2	Diamond Head Wing	Walls	Beige	Paint	СМЦ	₫ F P	1,000	لم	
	Sample ID Area Sampled		Sample Location		PIC ID		N	otes			
2866-P12A Diamand Head Wing			Diamand Head Wing	wall		MANIE	202136651				
2866-	P1 2-B		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	J		00065		02136652			

	Project Numbe	r: 286		International Airport Insp	ector Initial			Dates and T	imes:	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. fp or L. ft	Hatch Color
22	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa wing	Walls	Lt. Pink	Paint	Concrete	G 🕞 P	6,600	Takinia.
	Sample ID		Area Sampled	Sample Location		PIC ID		N	lotes	
	P 13 A P 13 B		Ewa Wing Digmond Head Wang	Wall vall		000 67		13665 13665		
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
24	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Walls, columns, eaves	Beige	Paint	Concrete	Ĝ F P	8,000	
	Sample ID		Area Sampled	Sample Location		PIC ID		N	lotes	
2866-	P (4 A		Ewa Wing	Wall		OGAC D	20	21366	55	
2866-	Р14В		Diamond Head Wing	Wall		06068		21360		
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. it or L. ft	Hatch Color
26	Daniel K. Inouye International Airport	3	Diamond Head Wing, Ewa Wing	Wall	Beige	Paint	СМИ	G F P	1,000	\$5
	Sample ID Area Sampled			Sample Location		PIC ID		N	Votes	
	P15A P15 B		Ewa wing Diamondhedd wing	Wall Wall		000 69	202136657 202136658			

	Project Number	er: 286		e International Airport Insp	pector Initial			Dates and	Γimes:	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. 1 or L. ft	Hatch Color
Z	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa Wing	Handrails, guardrail	Beige	Paint	Metal	G FP	1,000	m
	Sample ID		Area Sampled	Sample Location		PIC ID		N	Votes	
2866-	P16A		two wing	rail		00074	202	13665	5.9	
2866-	P 6 B		Diamond Head Wing	rail		00017		21366		
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
31	Daniel K. Inouye International Airport	3	Diamond Head Wing	Eaves	Beige White	Textured Paint	Concrete	G F P	3,000	111
	Sample ID		Area Sampled	Sample Location		PIC ID		N	Votes	
2866-	P 17 A		Diamontedo hing	Eave		00075	20	121366	361	
2866-	Р[7 В		Diamond Head wing	Eave		000 15	20	121360	362	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or . ft	Hatch Color
33	Daniel K. Inouye International Airport	3	Diamond Head Wing Ewa Wing	Road way	White	Paint	Concrete	∂̂ F Р	100	X
	Sample ID		Area Sampled	Sample Location		PIC ID		N	Votes	
2866-	P 18 A		End hind	Roadway		06078	202136663			
2866-P(8 B Niamond Head Wing Rondway 202136664				64						

	Project Number	r: 286	6 2 Location: Daniel K. Inou	ye International Airport	Inspector Initial			Dates and	Γimes:	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. for L. ft	Hatch Color
34	Daniel K. Inouye International Airport	3	Diamond Head Wing	curb side	Yellow	Paint	Concrete	⑥ F P	600	36
	Sample ID		Area Sampled	Sample Location		PIC ID	Notes			
2866-P Q A 2866-P Q B			Diamond Head wing	curb		00079	202136665 202136666			
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Q. Dor L. ft	Hatch Color
35	Daniel K. Inouye International Airport	3	Ewa wing	Handrail	Brown	Paint	Metal	Ĝ F P	500	2
Sample ID			Area Sampled	Sample Location PIC ID		PIC ID	Notes			
2866-P 26 A			Eng Wing	handrail		2401	202136667			
2866-P 20 B			tha wing	handrail		0091	202136668			
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area 8q. It or L. ft	Hatch Color
36	Daniel K. Inouye International Airport	3	Ewa wing	Guardrail	Yenow	Paint	Metal	G € P	80	Ú-
Sample ID			Area Sampled	Sample Location		PIC ID	Notes			
2866-P 2 A 2866-P 2 B			Eva Wing Eva Wing	Guardrail Guardrail		8329	202136669 202136670			

	Project Number	er: 286	Location: Daniel K. Inouye	International Airport Ins	pector Initial			Dates and	Times:	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
39	Daniel K. Inouye International Airport	3	Ewa Wing	Road way	white	Coating	Concrete	G 🗗 P	20	
	Sample ID		Area Sampled	Sample Location		PIC ID	Notes			
2866-	P22 A		Ewa Wing	Road Way		202136671				
2866-P 22 B			Ewa Wing	Read way		0101	202136672			
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft of L. ft	Hatch Color
41	Daniel K. Inouye International Airport	1	Diamond Head Wing	Conduits, electrical boxes, Pipes	Lt. Pink	Paint	Metal	G FP	1,000	
Sample ID			Area Sampled	Sample Location		PIC ID	Notes			
2866-P23 A			Diamond Head wing	Conduit	40010	202136673				
2866-P23B			V	Pipes	00018	202136674				
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. a or L. ft	Hatch Color
43	Daniel K. Inouye International Airport	1	Diamond Head Wing	Ceiling, eaves, Columns	Beige	Paint	Concrete	⑥F P	3,000	
Sample ID			Area Sampled	Sample Location		PIC ID	Notes			
2866-P2¥ A			Diamond Head Wing	Coiling		000 18	g 202136675			
2866-P2\B			V	Cowmn		20018	202136676			

	Project Number	r: 286	6 2 Location: Daniel K. Inouye	International Airport In	nspector Initial			y Dates and	Times:	
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area 84. It or L. ft	Hatch Color
45	Daniel K. Inouye International Airport	1	Diamond Head Wing	Wall	Beige	Paint	сми	G F P	2,000	
	Sample ID		Area Sampled	Sample Location	PIC ID	Notes				
2866-P 2 5A 2866-P 2 5B			Diamond Head Wing	Wall		00017	202136677 202136678			
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. it or L. ft	Hatch Color
47	Daniel K. Inouye International Airport	1	Diamond Head Wing	Columns, Walls	Lt. Pink	Pain+	Concrete	© F ₽	(000,1	
	Sample ID		Area Sampled	Sample Location		PIC ID	Notes			
2866-P 26 A 2866-P 26 B			Diamond Head Wing	Column	Jan 000			202136679 202136680		
HM ID	Building	Flr.	Areas	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
	Daniel K. Inouye International Airport							GFP		
Sample ID			Area Sampled	Sample Location	PIC ID	Notes				
2866-1	P A									
2866-1	Р В									