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Preliminary Findings & Recommendations Report for
MALAEKAHANA STATE RECREATION AREA
KAHUKU SECTION
Laie, HI
15 January 2014



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I. PROJECT BACKGROUND

The project site (Malaekahana State Recreation Area – Kahuku Section) is located off of Kamehameha Highway on the North Shore of the island of Oahu, in the town of Laie. The site is more commonly referred to as the “Friends of Malaekahana” (FOM) beach park and encompasses 36 acres along the Pacific Ocean, as shown in the aerial image to the right. The FOM beach park contains several single story residential type structures, as well as other single story shed type structures and portable toilets randomly located throughout the park. The property is owned by the State of Hawaii, Department of Land and Natural Resources (DLNR). The DLNR has leased the property to a privately owned Vendor that operates and maintains the park.

The FOM beach park is open for daytime public beach access and overnight camping via a reservations process.

Most of the single story residential type structures (hereinafter referred to as Cabins) have fallen into various states of disrepair over the years. Repairs that would typically need to occur on a regular basis due to the ocean front location and exposure have not occurred. Damage caused by exposure and lack of maintenance is evident.

Because the Cabins are located on public lands, the Cabins should meet life safety, building, and accessibility code compliance. The Cabins have not been upgraded or retrofitted to address code compliance issues. It is also important to note that several of the Cabins are considered historic per Act 228, Session Laws of Hawaii 2008.

Given the popularity of the park and current condition of the Cabins, the individual Cabins needed to be assessed (this Report is limited to Cabins 2 thru 7 and the Security Residence) so that recommendation(s) to repair, demolish, abandon, or a combination thereof could be reached.

The compilation of the research, assessment, and recommendations for the Cabins has been compiled into this Report.



FIGURE 1 AERIAL IMAGE OF PROJECT SITE.

II. OBJECTIVES

The information gathered and presented in this report was necessary in order to provide the DLNR with a comprehensive information source with respect to the Cabins. There are several objectives to this Report:

- Generate a conceptual record of the floor plan, roof, and photographic documentation of the Cabins.
- Assess the physical conditions of each of the Cabins noted above.
- Develop evaluation criteria and an Assessment Matrix to assist in the review analysis of each Cabin.
- Provide a recommendation regarding each of the Cabins, i.e. repair, demolish, abandon or a combination thereof.



III. METHODOLOGY

In order for each Cabin to be assessed and a recommendation(s) reached, a series of due diligence tasks had to first be completed. The first task was to have a topographic survey of the entire property conducted, along with a certified shoreline survey. The survey information was used to locate the Cabins and to identify the accurate location of the shoreline through a certification process (shoreline is defined as the upper reaches of the wash of the waves at high tide during the season of the year in which the highest wash of the waves occur). The shoreline certification is approved by the DLNR Land Division and is shown on the Existing Park Plan. The location of each Cabin in relation to the shoreline was then assessed. Per the DLNR Land Division, a minimum setback of 40' is required from the certified shoreline.

The next task consisted of evaluating each Cabin's location in relation to the Federal Emergency Management Agency (FEMA) flood hazard areas, as identified on the Flood Insurance Rate Map (FIRM). The FIRM identifies the flood zones, the flood zone boundaries, and the minimum height for the finish floor elevation in the particular zones that are prone to flooding. The lowest horizontal structural member of each Cabin is required to be at or above the minimum finish floor elevation noted in the FIRM.

After receiving clearance from the Civil Defense, the University of Hawaii Manoa, School of Ocean & Earth Science & Technology provided the tsunami inundation map of the site. The map identifies the estimated area that will be flooded in the event of a tsunami.

A hazardous materials survey was also conducted at each Cabin. The hazardous materials survey identified the presence of asbestos containing materials (ACM), numerous surfaces coated in lead containing paint, including lead-based paint, arsenic containing materials, and mercury containing lamps. The results of the survey are further discussed in Part IV Findings and Recommendations.

Review of several regulatory codes was also conducted. These codes include the 2006 International Building Code (IBC), the City and County of Honolulu's Land Use Ordinance and the 2010 Americans with Disabilities Act (ADA) Standards for Accessible Design.

The final task was to perform a visual observation of the interior and exterior (performed from ground floor surfaces) of each Cabin. The visual observation was done in order to assess the conditions of building materials and finishes.



IV. FINDINGS AND RECOMMENDATIONS

2006 INTERNATIONAL BUILDING CODE

Occupancy	Residential Group R-1
Type of Construction	VB (Section 602.5)
Allowable Story and Area (Table 503)	2 Stories 7,000 SF
Fire Resistance Rating for Building Elements (Table 601)	0 hr.

CITY AND COUNTY OF HONOLULU LAND USE ORDINANCE (CHAPTER 21)

Zoning	R-5
Front Yard Set Back	10'-0"
Side and Rear Yard Set Back	5'-0"
Height Limitation	25'-0" ~ 30'-0"

SPECIAL MANAGEMENT AREA

The entire project site is located within the Special Management Area (SMA). However, demolition and removal of structures is not a regulated activity within the SMA (as long as the property is not a historic site as designated in national or State registers). As such, no SMA permit is required for demolition and hazardous material removal/abatement activities.

Should the site be developed at a later date (e.g., reconstruction of cabins), any improvements at the project site should be performed in accordance with guidelines for development outlined in Chapter 205A, Hawaii Revised Statutes and Chapter 25, Revised Ordinances of Honolulu. Any development (as defined in Chapter 25, Revised Ordinances of Honolulu) will be subject to the SMA permit process. Development with a valuation below \$500,000 requires a SMA Minor Permit and development with a valuation equal to or exceeding \$500,000 requires an SMA Use Permit.

SHORELINE SETBACK

A portion of the project site is located within the Shoreline Area. However, demolition and removal of structures is not a regulated activity within the Shoreline Area; no permit or approval is required for demolition and hazardous material removal/abatement work.



Should the site be developed at a later date, any prohibited structures (as defined in Section 23-1.5, Revised Ordinances of Honolulu) should be constructed outside of the Shoreline Area. Construction of any structures *makai* of the 55' Waiver Line will require a Shoreline Certification as part of the permitting process. Construction of any prohibited structures or performance of any prohibited activities within the Shoreline Area must first obtain a Shoreline Setback Variance from the City and County of Honolulu Department of Planning and Permitting (DPP).

CHAPTER 343, HAWAII REVISED STATUTES

The demolition and hazardous material removal/abatement activities constitute the use of State lands and the use of State funds. As such, the project is subject to review under State environmental review law: Chapter 343, Hawaii Revised Statutes and Chapter 11-200, Hawaii Administrative Rules. Pursuant to §11-200-8, Hawaii Administrative Rules, the proposed demolition activity is exempt from preparation of an Environmental Assessment. An exemption should be performed in a manner consistent with the DLNR standard policies and procedures.

Future site development will also be subject to review under the same State environmental review law.

2010 AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN

Cabins 2 through 7 are temporary dwelling units and are considered transient dwellings that must comply with the 2010 ADA Standards for Accessible Design, Section 224 Transient Lodging Guest Rooms. The Security Residence is intended to be used as a temporary dwelling unit and will therefore have to also comply with Section 224.

Per Section 224, of Cabins 2 through 7, one of the cabins shall be equipped with mobility features and two cabins must have communication features. The cabin that is constructed first shall contain both mobility and communication features.

The cabin with mobility features must have a living room, kitchen, and dining room that are accessible, in addition to accessible exterior spaces. At least one bedroom shall provide a clear floor space parallel to both sides of the bed. At least one bathroom shall be ADA accessible, and contain at least one water closet, one lavatory and one bathtub or shower.

The communication features requirement specifies that where an emergency warning system is installed, alarms must be ADA compliant. In addition, visible notification devices shall be provided to alert room occupants of incoming telephone calls and a door knock or bell.



ENVIRONMENTAL SURVEY

The environmental engineer, EnviroServices and Training Center, LLC, collected samples from the Cabins for testing, includes 192 samples of suspected ACM, 34 paint chip samples, and 4 bulk samples of suspected arsenic containing wood fiberboard. The samples were submitted to the NVL Laboratories, Inc. in Seattle, Washington for testing.

There are two types of ACM, friable and non-friable. Friable ACM are materials that may be crumbled, pulverized, or otherwise damaged by hand pressure. Non-friable materials are bound or locked into the actual product and are divided into two categories: Category I non-friable ACM and Category II non-friable ACM. Category I non-friable ACM are packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM refers to any material, excluding Category I non-friable ACM, containing more than 1% asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Friable and Category I non-friable ACM were detected in the Cabins. In addition to the ACM, lead containing paint, arsenic, and mercury containing lamps were also found in the Cabins.

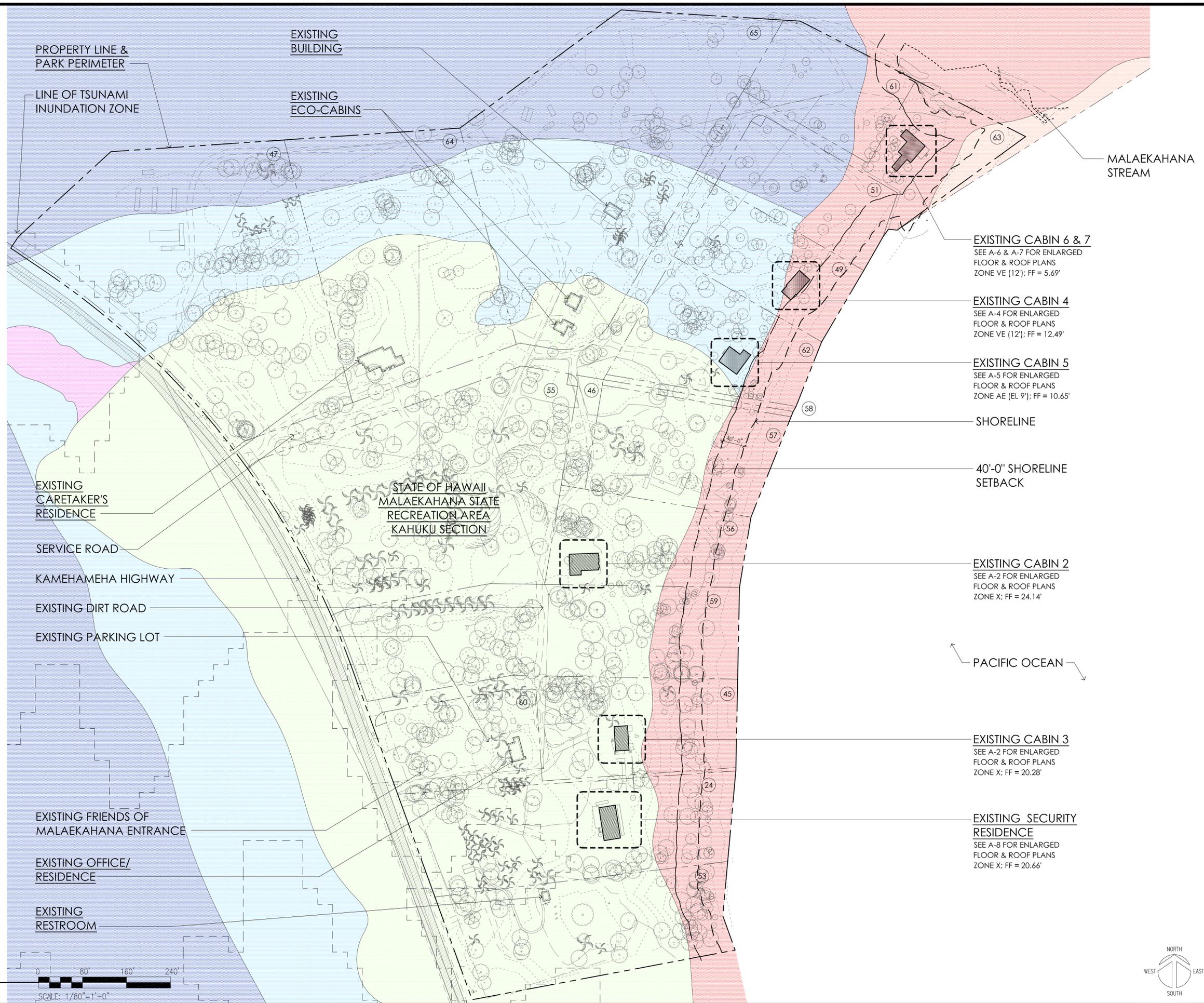
If the DLNR decide to renovate and/or demolish the cabins, and in doing so disturb the hazardous and regulated materials, it is recommended that the DLNR manage and/or remove and dispose of those materials in accordance with applicable local, state, and federal regulations. To prevent inhalation, ingestion of fibers, or contact with skin and mucous membranes, materials containing glass fibers must be handled with appropriate protective equipment. All friable ACM and non-friable ACM that can be crumbled and pulverized must be removed and properly disposed of by a qualified asbestos abatement contractor. To ensure compliance with applicable Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), and Hawaii Occupational Safety and Health (HIOSH) regulations pertaining to the handling of ACM, a qualified consultant should also be obtained to monitor and inspect the removal activities. All lead based paint and loose and flaking lead containing paint that may be disturbed during renovation and/or demolition activities shall be removed and disposed of in accordance with applicable local, state, and federal regulations. The abatement and demolition contractor(s) must take appropriate measures to comply with applicable EPA, OSHA, and HIOSH regulations pertaining to the handling of lead and arsenic containing materials and worker protection. Air monitoring shall be conducted for airborne asbestos fibers by a State of Hawaii certified Project Monitor and airborne lead and arsenic by qualified personnel during any lead, arsenic and/or asbestos abatement and general renovation and/or demolition activities of areas determined to have these contaminants.



NOTE:
PARK CONSISTS OF TMK: 5-6-001,
PARCELS 45-47 AND 49-65.

LEGEND:
FEMA FLOOD HAZARD ZONES

- ZONE A
- ZONE AE
- ZONE AO
- ZONE VE
- ZONE AEF
- ZONE X



PROPERTY LINE &
PARK PERIMETER

LINE OF TSUNAMI
INUNDATION ZONE

EXISTING
BUILDING

EXISTING
ECO-CABINS

MALAEKAHANA
STREAM

EXISTING CABIN 6 & 7
SEE A-6 & A-7 FOR ENLARGED
FLOOR & ROOF PLANS
ZONE VE (12'); FF = 5.69'

EXISTING CABIN 4
SEE A-4 FOR ENLARGED
FLOOR & ROOF PLANS
ZONE VE (12'); FF = 12.49'

EXISTING CABIN 5
SEE A-5 FOR ENLARGED
FLOOR & ROOF PLANS
ZONE AE (EL 9'); FF = 10.65'

SHORELINE

40'-0" SHORELINE
SETBACK

EXISTING
CARETAKER'S
RESIDENCE

STATE OF HAWAII
MALAEKAHANA STATE
RECREATION AREA
KAHUKU SECTION

EXISTING CABIN 2
SEE A-2 FOR ENLARGED
FLOOR & ROOF PLANS
ZONE X; FF = 24.14'

SERVICE ROAD

KAMEHAMEHA HIGHWAY

EXISTING DIRT ROAD

EXISTING PARKING LOT

PACIFIC OCEAN

EXISTING CABIN 3
SEE A-2 FOR ENLARGED
FLOOR & ROOF PLANS
ZONE X; FF = 20.28'

EXISTING FRIENDS OF
MALAEKAHANA ENTRANCE

EXISTING OFFICE/
RESIDENCE

EXISTING
RESTROOM

EXISTING SECURITY
RESIDENCE
SEE A-8 FOR ENLARGED
FLOOR & ROOF PLANS
ZONE X; FF = 20.66'

1 EXISTING PARK PLAN
SCALE: 1/80"=1'-0"



REV.	DATE	DESCRIPTION	APPROVED

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ACCEPTED BY:

Director
Department of Design and Construction

DEPARTMENT OF LAND & NATURAL RESOURCES
STATE OF HAWAII
MALAEKAHANA SRA - KAHUKU SECTION
SEWER SYSTEM IMPROVEMENTS
56-335 KAMEHAMEHA HWY., LAE, HAWAII 96702
TAX MAP KEY: 5-6-001-001

DESIGN BY: BC
DRAWN BY: BC
CHECKED BY: FE
DATE: JANUARY 2014
PROJECT NO.: H70C805A
DRAWING NO.:
A-1
SHEET NO. 1 OF XX
FILE DRAW FOLDER

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CABIN 2 - FINDINGS

Cabin 2 is located the furthest from the shoreline and is constructed on a series of wood posts. The Cabin is approximately 1,766 square feet and has two bedrooms, two bathrooms, a living room, kitchen, dining room, carport, and covered lanai. The overall building condition is extremely poor, with water penetration apparent and varying degrees of damage to the roof, walls, partitions, flooring, finishes, etc.

The Cabin is located within the FEMA Flood Zone X, which is an area determined to be outside the 0.2% annual chance floodplain and therefore the Cabin does not have any minimum finish floor elevation requirements. The Cabin's finish floor elevation is approximately 24.14'.

The Cabin is located within the SMA.

The Cabin is not located within the 40' shoreline setback.

The Cabin is within the tsunami inundation zone.

Per the Hazardous Materials Survey Report, the Cabin contains ACM's. The vinyl composition tile (VCT), bathroom sink counter caulking and black asphaltic roofing material tested positive for Category I non-friable ACM. Friable asbestos was found in the drywall partitions. Lead was detected in the interior and exterior beige paint. In addition, the exterior red paint at the stairs, doors, and beams and the aqua paint at the exterior contain lead. Arsenic was found in the brown fibrous ceiling material.

Cabin 2 is not ADA compliant.

CABIN 2 - RECOMMENDATIONS

Due to the overall damaged condition of the cabin, the presence of hazardous materials, and non-compliance with ADA requirements, Cabin 2 should be boarded up to prevent public entry. Cabin 2 should not be available for rent and should not be occupied.

The DLNR should contract to have the hazardous materials properly removed and disposed of by a licensed contractor(s) approved to perform such work in the State of Hawaii.

Because Cabin 2 is considered historic, prior to demolition the structure shall be measured, drawn and photographed for the purposes of documenting it in accordance with §13-275-8 Hawaii Administrative Rules (HAR). This has largely been completed as part of this Report. A report shall be submitted to the State of Hawaii, the DLNR, and the State Historic Preservation Division (SHPD) for review and approval prior to demolition.



CABIN 2 - PHOTOGRAPH A



CABIN 2 - PHOTOGRAPH B



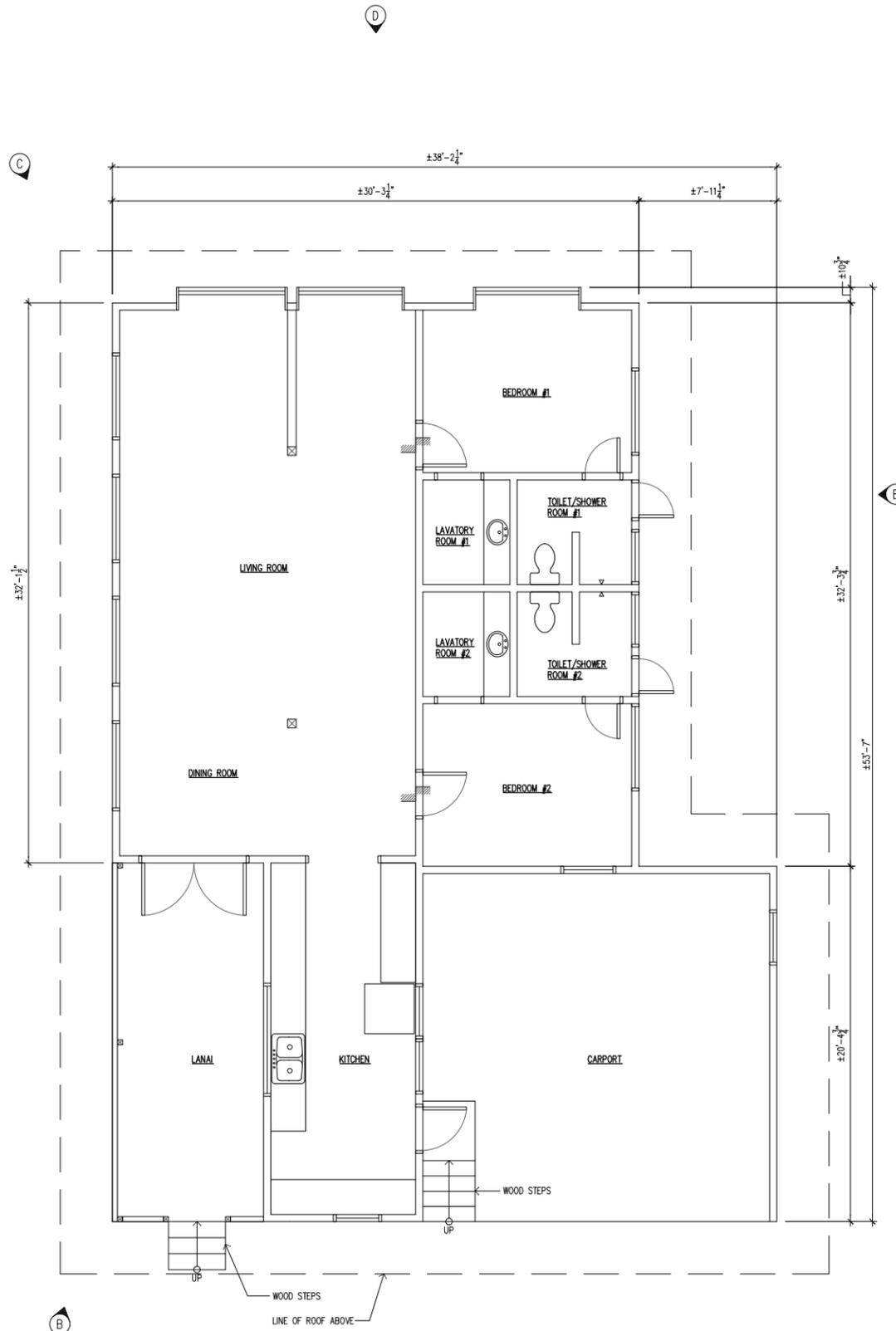
CABIN 2 - PHOTOGRAPH C



CABIN 2 - PHOTOGRAPH D

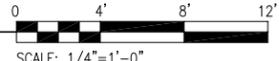


CABIN 2 - PHOTOGRAPH E

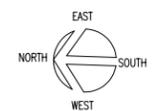


1 CABIN 2 FLOOR PLAN

SCALE: 1/4"=1'-0"

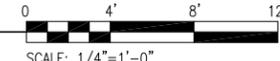


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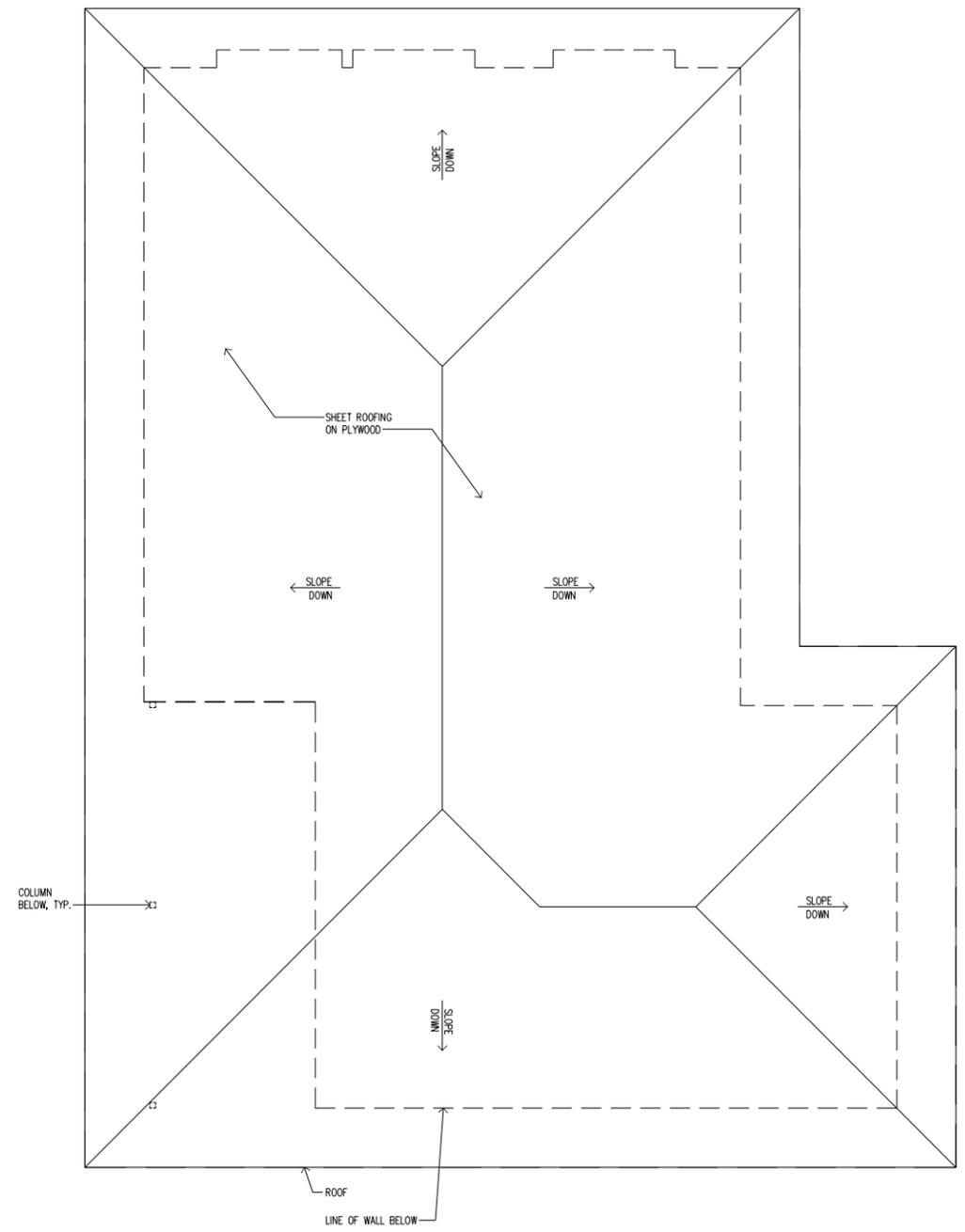
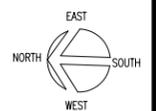


2 CABIN 2 ROOF PLAN

SCALE: 1/4"=1'-0"



SCALE: 1/4"=1'-0"



DATE	REVISION	DESCRIPTION	APPROVED

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 Director
 Department of Design and Construction

DEPARTMENT OF LAND & NATURAL RESOURCES
 STATE OF HAWAII
MALAEKAHANA SRA - KAHUKU SECTION
SEWER SYSTEM IMPROVEMENTS
 66-335 KAMEHAMEHA HWY, LAKE, HAWAII 96762
 TAX MAP KEY: 5-6-006-001

DESIGN BY: BC
 DRAWN BY: BC
 CHECKED BY: FE
 DATE: MAY 2013
 PROJECT NO.: H70C805A
 DRAWING NO.:
A-2
 SHEET NO. 2 OF XX
 FILE DRAW FOLDER

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CABIN 3 - FINDINGS

Cabin 3 is the smallest at approximately 1,081 square feet and has three bedrooms, two bathrooms, a living room, kitchen, dining room, and lanais. The overall building condition is extremely poor, with water penetration apparent and varying degrees of damage to the roof, walls, partitions, flooring, finishes, etc.

The Cabin is located within the FEMA Flood Zone X, which is an area determined to be outside the 0.2% annual chance floodplain and therefore the Cabin does not have any minimum finish floor elevation requirements. The Cabin's finish floor elevation is approximately 20.28'.

The Cabin is located within the SMA.

The Cabin is not located within the 40' shoreline setback.

The Cabin is within the tsunami inundation zone.

As indicated in the Hazardous Materials Survey Report, the Cabin contains ACM's. Category I non-friable ACM was detected in the Cabin in the black asphaltic roofing material. Lead containing paint was found in the off white paint throughout the interior of the Cabin. Arsenic was not detected.

Cabin 3 is not ADA compliant.

CABIN 3 - RECOMMENDATIONS

Due to the overall damaged condition of the Cabin, presence of hazardous materials, and non-compliance with the ADA requirements, it is recommended that Cabin 3 is boarded up to prevent public entry. Cabin 3 should not be available for rent and should not be occupied.

The DLNR should proceed with the proper removal of the hazardous material, which is required to be by a licensed contractor(s) approved to perform such work in the State of Hawaii. Following the cleaning of hazardous materials, the Cabin should be demolished.



CABIN 3 - PHOTOGRAPH A



CABIN 3 - PHOTOGRAPH B



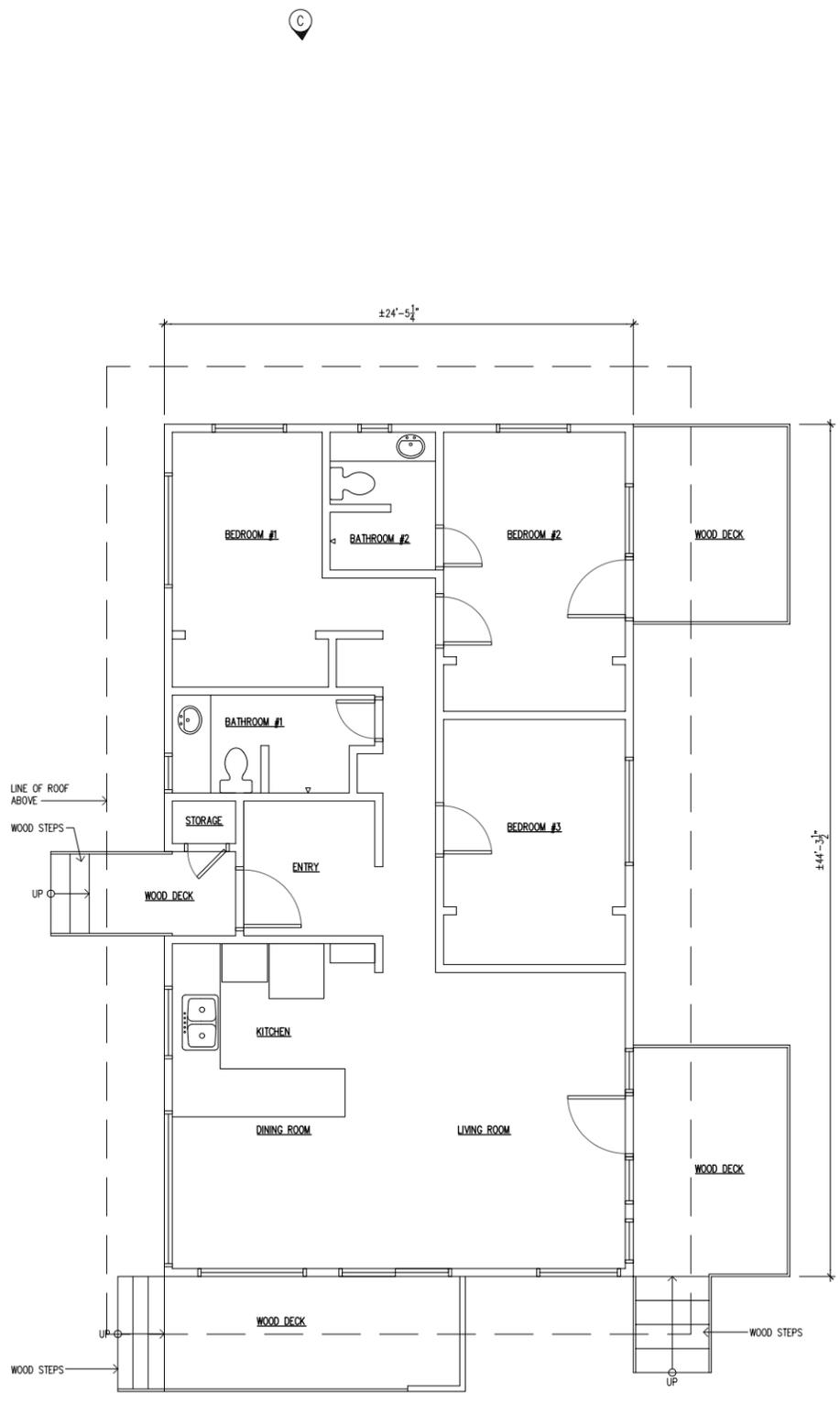
CABIN 3 - PHOTOGRAPH C



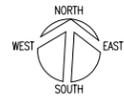
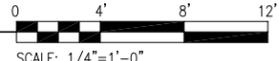
CABIN 3 - PHOTOGRAPH D



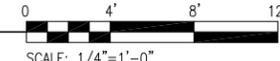
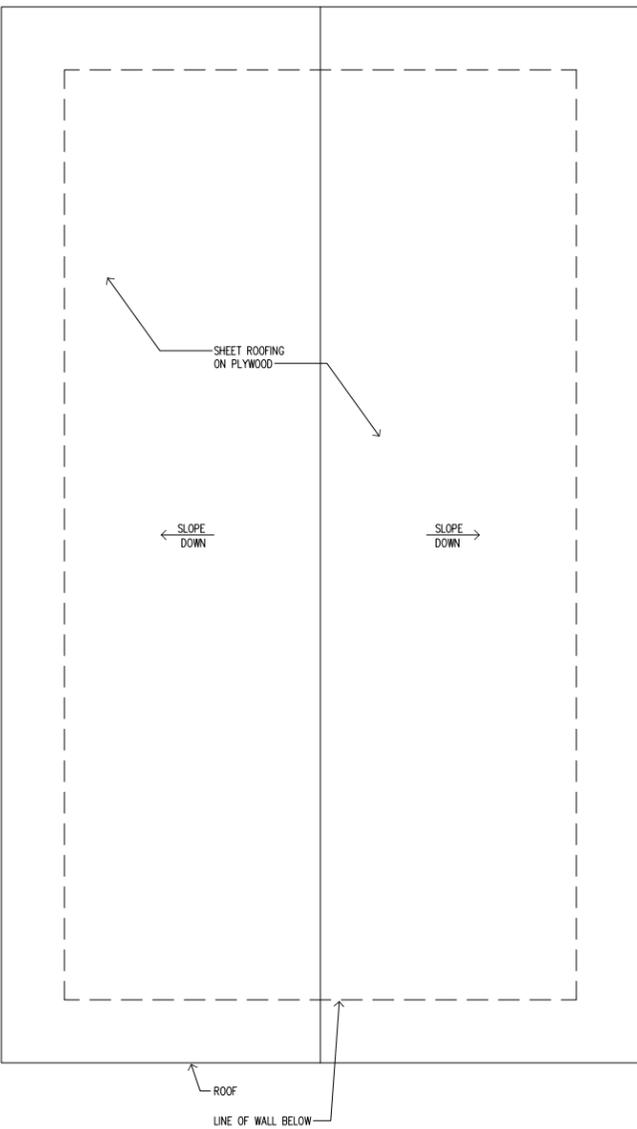
CABIN 3 - PHOTOGRAPH E



1 CABIN 3 FLOOR PLAN
SCALE: 1/4"=1'-0"



2 CABIN 3 ROOF PLAN
SCALE: 1/4"=1'-0"



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CABIN 4 - FINDINGS

During the time of the survey, Cabin 4 was boarded and is not available for rent. It is approximately 1,265 square feet and has two bedrooms, one bathroom, a living room, kitchen, dining room, and covered lanai. The overall building condition is extremely poor, with water penetration apparent and varying degrees of damage to the roof, walls, partitions, flooring, finishes, etc.

The Cabin is located within the FEMA Flood Zone VE, which is a coastal flood zone with velocity hazard, for which the Base Flood Elevation (BFE) has been determined to be 12'. The Cabin's finish floor elevation is slightly above the BFE and is 12.49'.

The Cabin is located within the SMA.

The Cabin is located within the 40' shoreline setback.

The Cabin is within the tsunami inundation zone.

Cabin 4 contains Category I non-friable ACM in the black asphaltic roofing material with fibrous materials and granules. Lead containing paint was detected in the white interior and exterior paint on the walls, windows, cabinets, doors, shelves, ceiling, and beams. In addition, the brown exterior paint on the floors and beams at the covered lanai contain lead. Low levels of arsenic was detected in the brown fibrous ceiling material, however they are below action level.

Cabin 4 is not ADA compliant.

CABIN 4 - RECOMMENDATIONS

The DLNR has taken the initial steps and boarded up Cabin 4 to prevent public entry.

A licensed contractor(s) approved to properly remove and dispose of hazardous materials should be contracted by the DLNR to address the hazardous materials issue. Because Cabin 4 is considered historic, prior to demolition the structure shall be measured, drawn and photographed for the purposes of documenting it in accordance with §13-275-8 HAR. This has largely been completed as part of this Report. A report shall be submitted to the State of Hawaii, the DLNR, and the SHPD for review and approval prior to demolition.

Should the DLNR construct a new cabin at the same location, special consideration should be taken to avoid constructing within the shoreline setback.



CABIN 4 - PHOTOGRAPH A



CABIN 4 - PHOTOGRAPH B



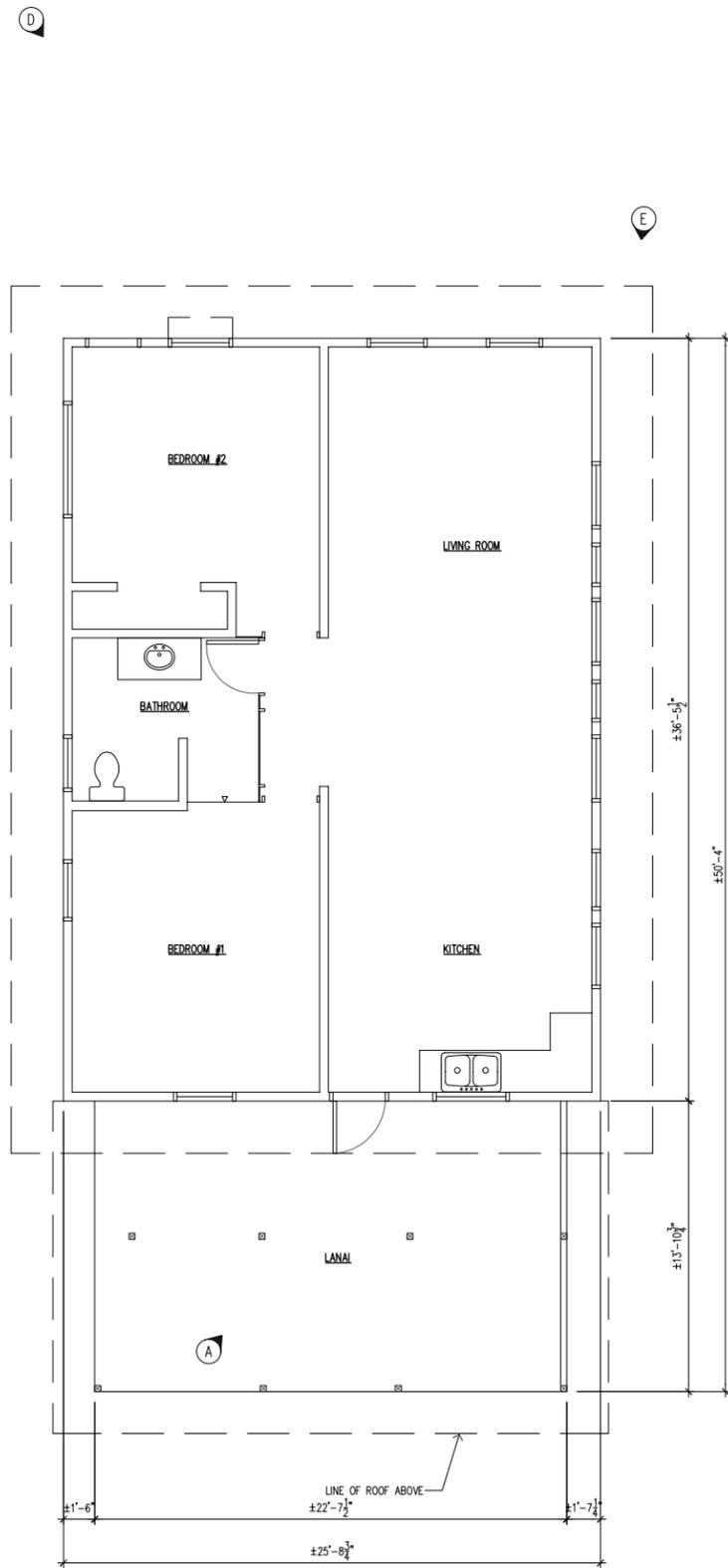
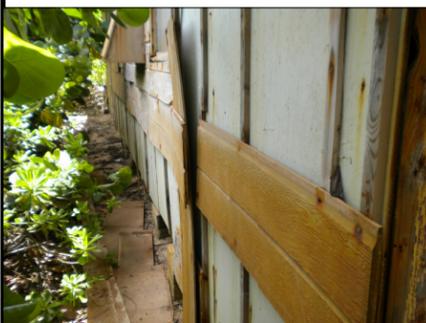
CABIN 4 - PHOTOGRAPH C



CABIN 4 - PHOTOGRAPH D

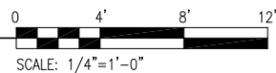


CABIN 4 - PHOTOGRAPH E



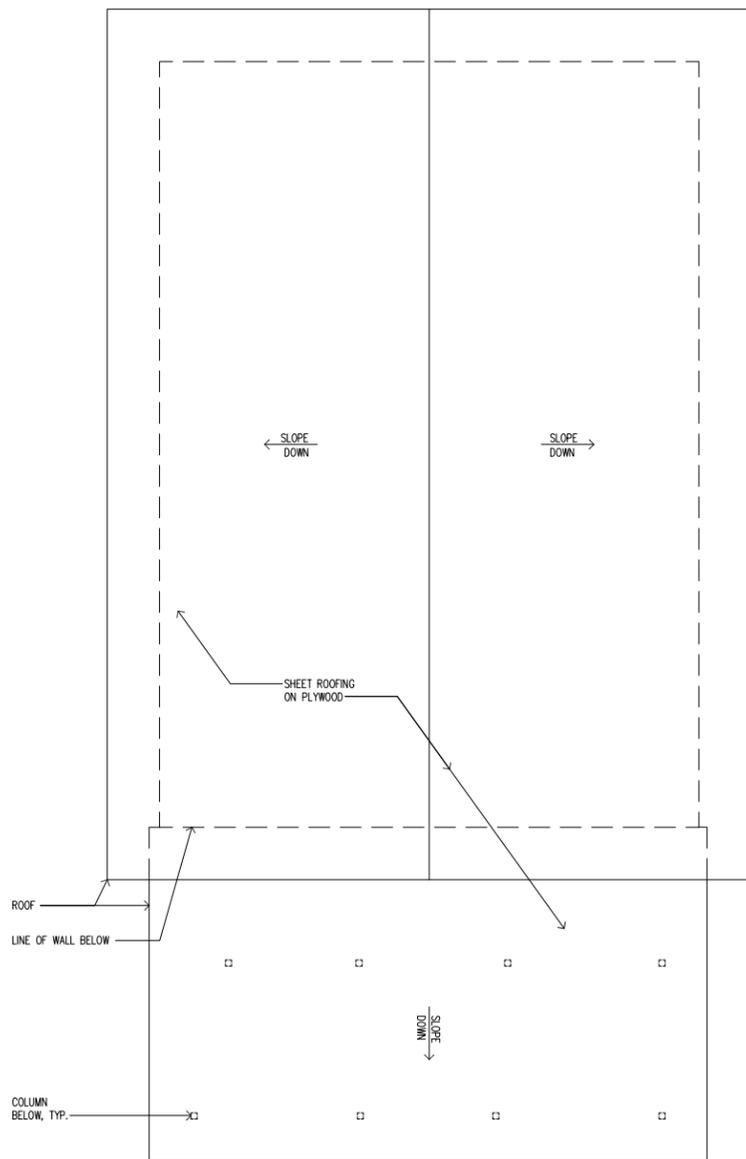
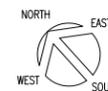
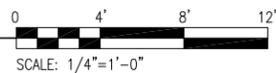
1 CABIN 4 FLOOR PLAN

SCALE: 1/4"=1'-0"



2 CABIN 4 ROOF PLAN

SCALE: 1/4"=1'-0"



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 FILE DRAW FOLDER

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CABIN 5 - FINDINGS

Cabin 5 was also at the time of the survey and is not available for rent. It is approximately 1,387 square feet and has three bedrooms and two bathrooms, a living room, kitchen, dining room, and covered lanai. The overall building condition is extremely poor, with water penetration apparent and varying degrees of damage to the roof, walls, partitions, flooring, finishes, etc.

Cabin 5 is the only cabin located within the FEMA Flood Zone AE, for which the BFE has been determined to be 9'. The Cabin's finish floor elevation of approximately 10.65'.

The Cabin is located within the SMA.

The Cabin is not located within the 40' shoreline setback.

The Cabin is within the tsunami inundation zone.

Per the Hazardous Materials Survey Report, Category I non-friable ACM was detected in the interior VCT, black with mastic located under the carpet. Lead containing paint was found within the Cabin at several locations including the beige interior paint throughout, light blue kitchen paint, white bedroom and restroom paint, in addition to the brown, beige, and aqua paint at the exterior. Arsenic was detected in the brown fibrous ceiling material, although it was a low level and therefore does not require action.

Cabin 5 is not ADA compliant.

CABIN 5 - RECOMMENDATIONS

Cabin 5 has already been boarded up by the DLNR, preventing public entry.

A licensed contractor(s) approved to properly remove and dispose of hazardous materials should be contracted by the DLNR to address the hazardous materials issue. Due to the overall damaged condition and non-compliance with ADA requirements, Cabin 5 should be demolished. Because Cabin 5 is considered historic, prior to demolition the structure shall be measured, drawn and photographed for the purposes of documenting it in accordance with §13-275-8 HAR. This has largely been completed as part of this Report. A report shall be submitted to the State of Hawaii, the DLNR, and the SHPD for review and approval prior to demolition.



CABIN 5 - PHOTOGRAPH A



CABIN 5 - PHOTOGRAPH B



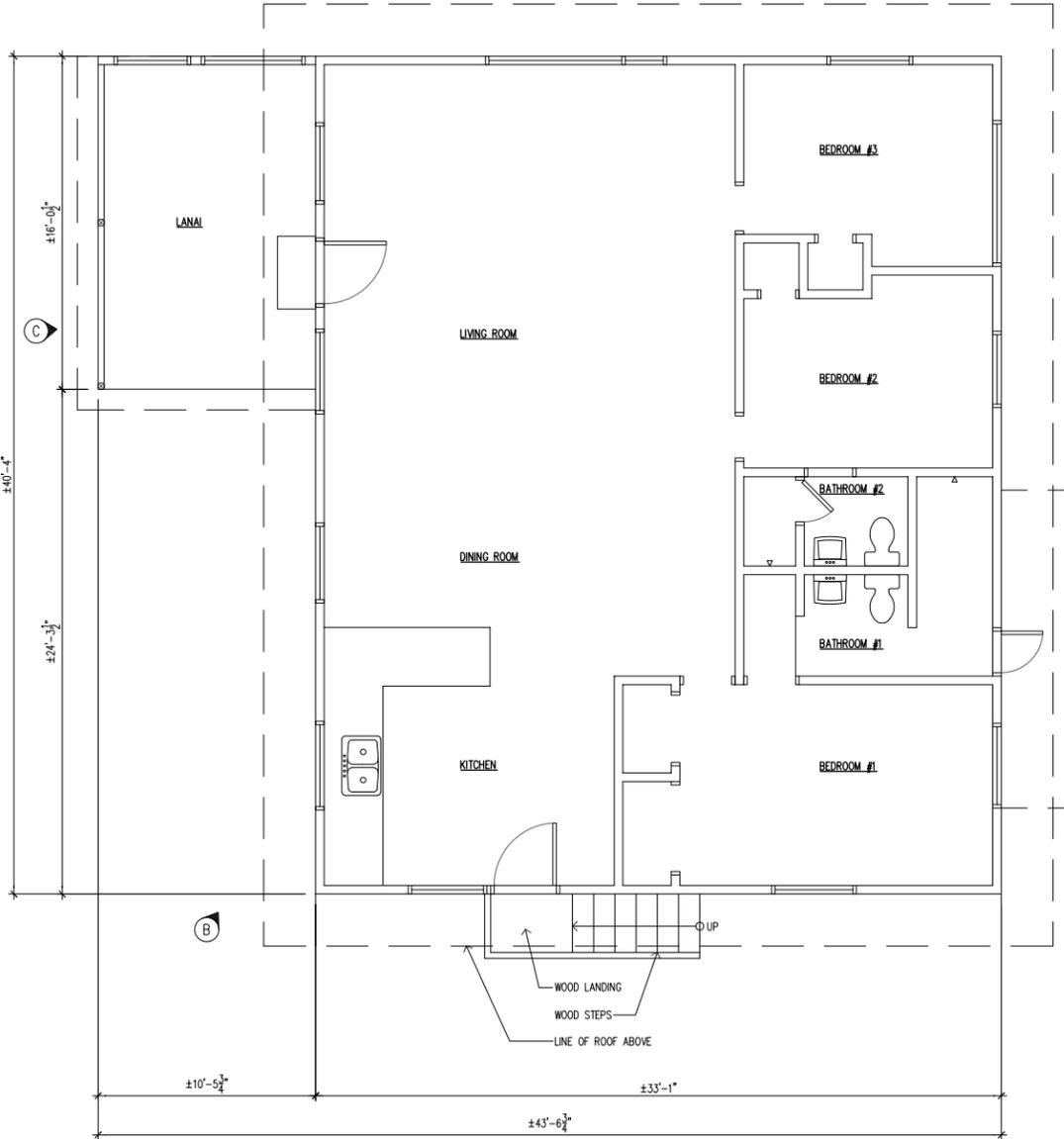
CABIN 5 - PHOTOGRAPH C



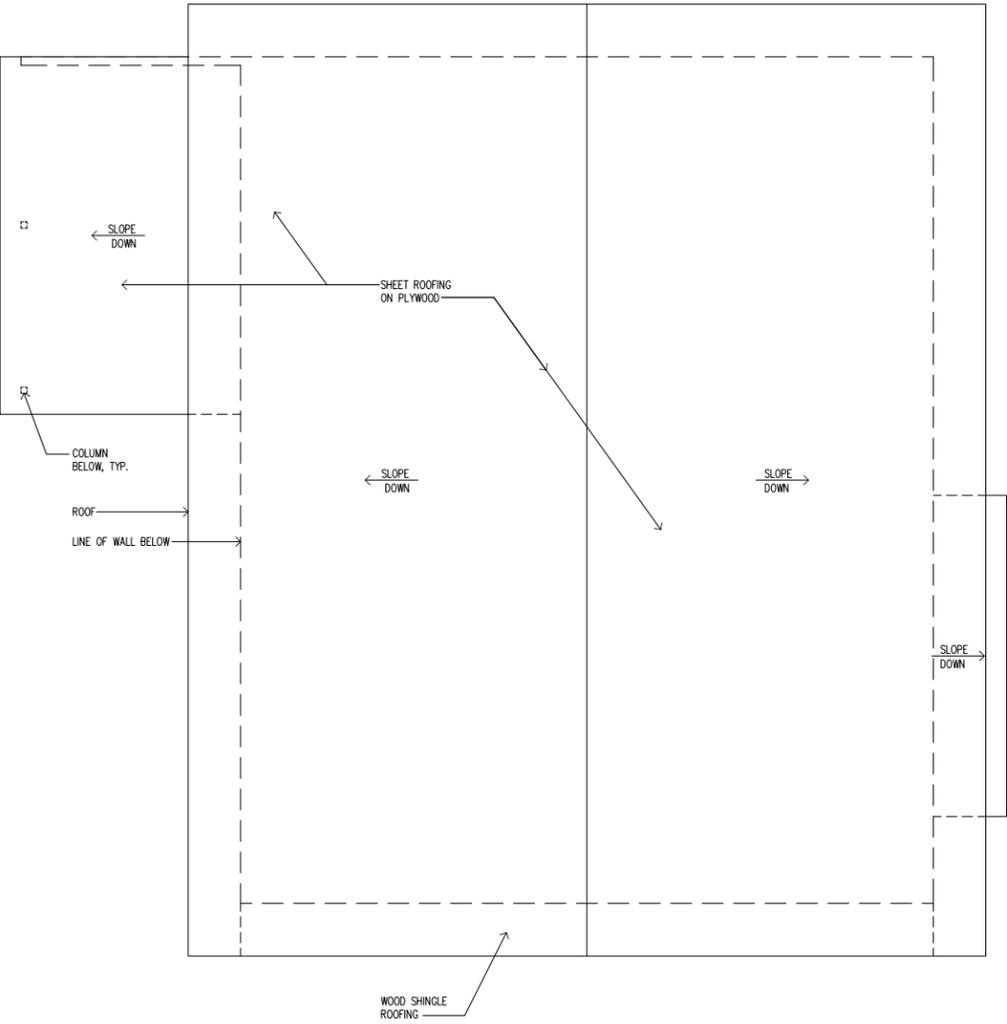
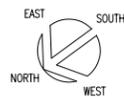
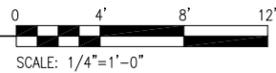
CABIN 5 - PHOTOGRAPH D



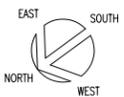
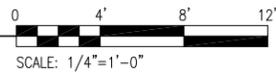
CABIN 5 - PHOTOGRAPH E



1 CABIN 5 FLOOR PLAN
SCALE: 1/4"=1'-0"



2 CABIN 5 ROOF PLAN
SCALE: 1/4"=1'-0"



REV.	DATE	DESCRIPTION	APPROVED

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Signature _____ Date _____

ACCEPTED BY:

Director _____ Date _____
Department of Design and Construction

DEPARTMENT OF LAND & NATURAL RESOURCES
STATE OF HAWAII
MALAEKAHANA SRA - KAHUKU SECTION
SEWER SYSTEM IMPROVEMENTS
56-335 KAMEHAMEHA HWY, LAKE, HAWAII 96762
TAX MAP KEY: 5-6-001-001

DESIGN BY: BC
DRAWN BY: BC
CHECKED BY: FE
DATE: MAY 2013
PROJECT NO.: H70C805A
DRAWING NO.:
A-5
SHEET NO. 5 OF XX
FILE DRAW FOLDER

P:\2008_DLRN_FOM\lakekahana\FacilityImprovements\Drawings\A-5_Cabin5.dwg Plotted: 6/3/2013 5:24 PM

CABIN 6 AND 7 - FINDINGS

Cabin 6 and 7 are combined forming one cabin. It is located the furthest north on the property adjacent to the Malaekahana Stream. The Cabin is approximately 1,833 square feet and has four bedrooms, two bathrooms, a living room, kitchen, dining room, bar, loft and lanais. The overall building condition is extremely poor, with water penetration apparent and varying degrees of damage to the roof, walls, partitions, flooring, finishes, etc.

The Cabin is located within the FEMA Flood Zone VE, which is a coastal flood zone with velocity hazard, for which the BFE has been determined to be 12'. The Cabin's finish floor elevation is extremely lower at approximately 5.69' and will therefore have to be addressed.

The Cabin is located within the SMA.

The Cabin is not located within the 40' shoreline setback.

The Cabin is within the tsunami inundation zone.

Per the Hazardous Materials Survey Report, Cabin 6 and 7 contains Category I non-friable ACM within the black asphaltic roofing material. It also tested positive for friable asbestos at the grey sink undercoating. Lead containing paint was detected at the cabin at the grey exterior paint on the walls, beams, ceiling, door, door frames, and windows. Arsenic was found at the interior brown fibrous ceiling material.

Cabin 6 and 7 is not ADA compliant.

CABIN 6 AND 7 - RECOMMENDATIONS

Due to the overall damaged condition of the Cabin, the presence of hazardous materials, and non-compliance with ADA requirements, Cabin 6 and 7 should be boarded up to prevent public entry. Cabin 6 and 7 should not be available for rent and should not be occupied.

A licensed contractor(s) approved by the State of Hawaii to properly remove and dispose of hazardous materials should be contracted by the DLNR to address the issue. Because Cabin 6 and 7 are considered historic, prior to demolition the structure shall be measured, drawn and photographed for the purposes of documenting it in accordance with §13-275-8 HAR. This has largely been completed as part of this Report. A report shall be submitted to the State of Hawaii, the DLNR, and the SHPD for review and approval prior to demolition.

Should the DLNR construct a new cabin at the same location, careful consideration should be taken so the finish floor elevation is above the FEMA BFE.



CABIN 6 AND 7 - PHOTOGRAPH A



CABIN 6 AND 7 - PHOTOGRAPH B



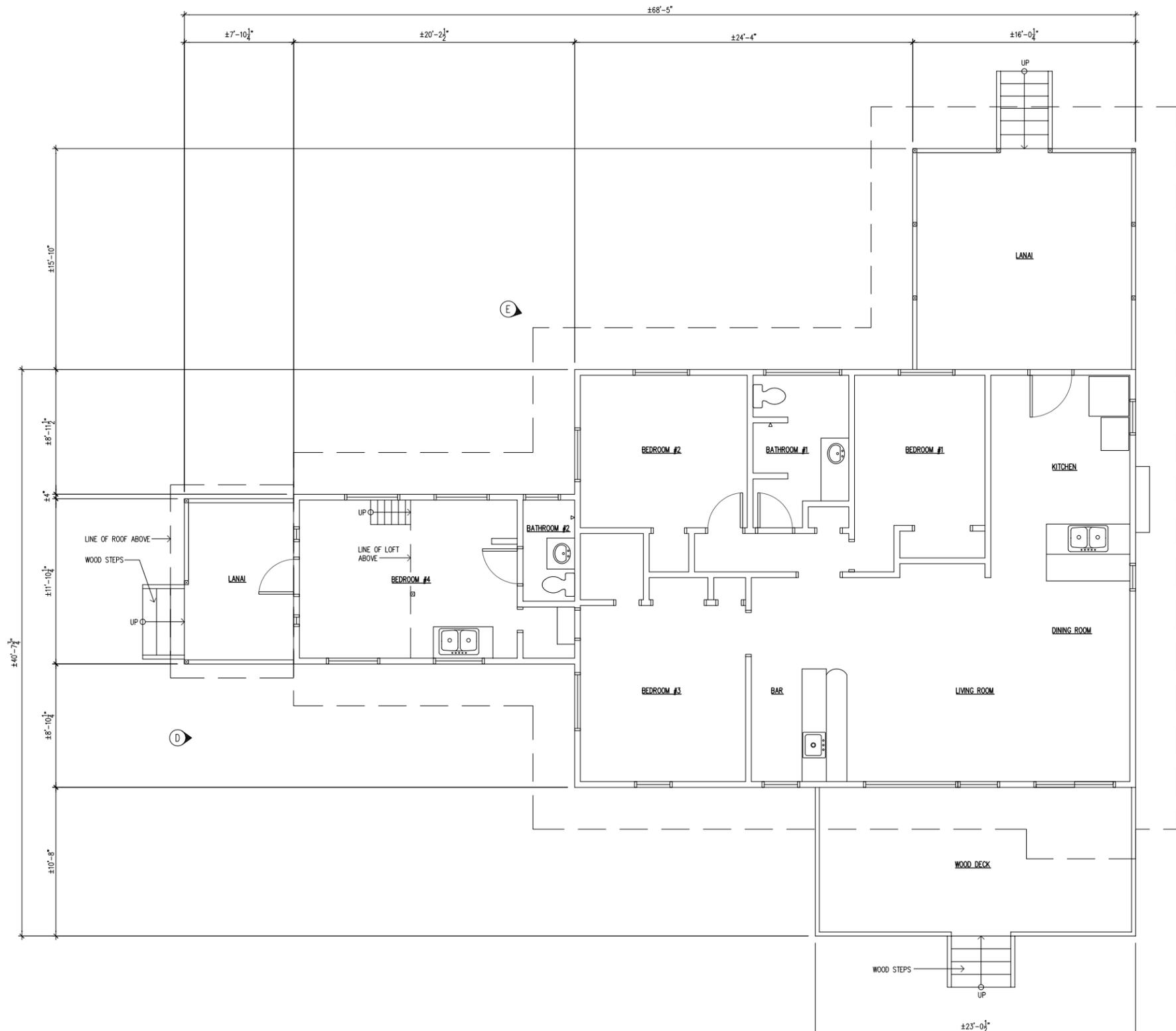
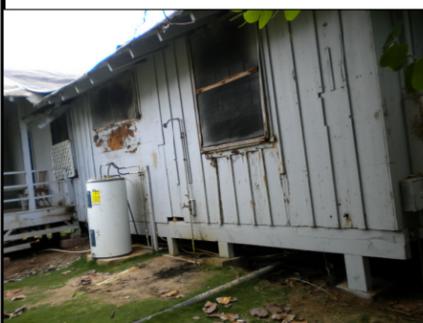
CABIN 6 AND 7 - PHOTOGRAPH C



CABIN 6 AND 7 - PHOTOGRAPH D



CABIN 6 AND 7 - PHOTOGRAPH E



1 CABIN 6 AND 7 FLOOR PLAN
 SCALE: 1/4"=1'-0"

0 4' 8' 12'
 SCALE: 1/4"=1'-0"



REV.	DATE	DESCRIPTION	BY	CHKD.	APP'D.

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ACCEPTED BY:

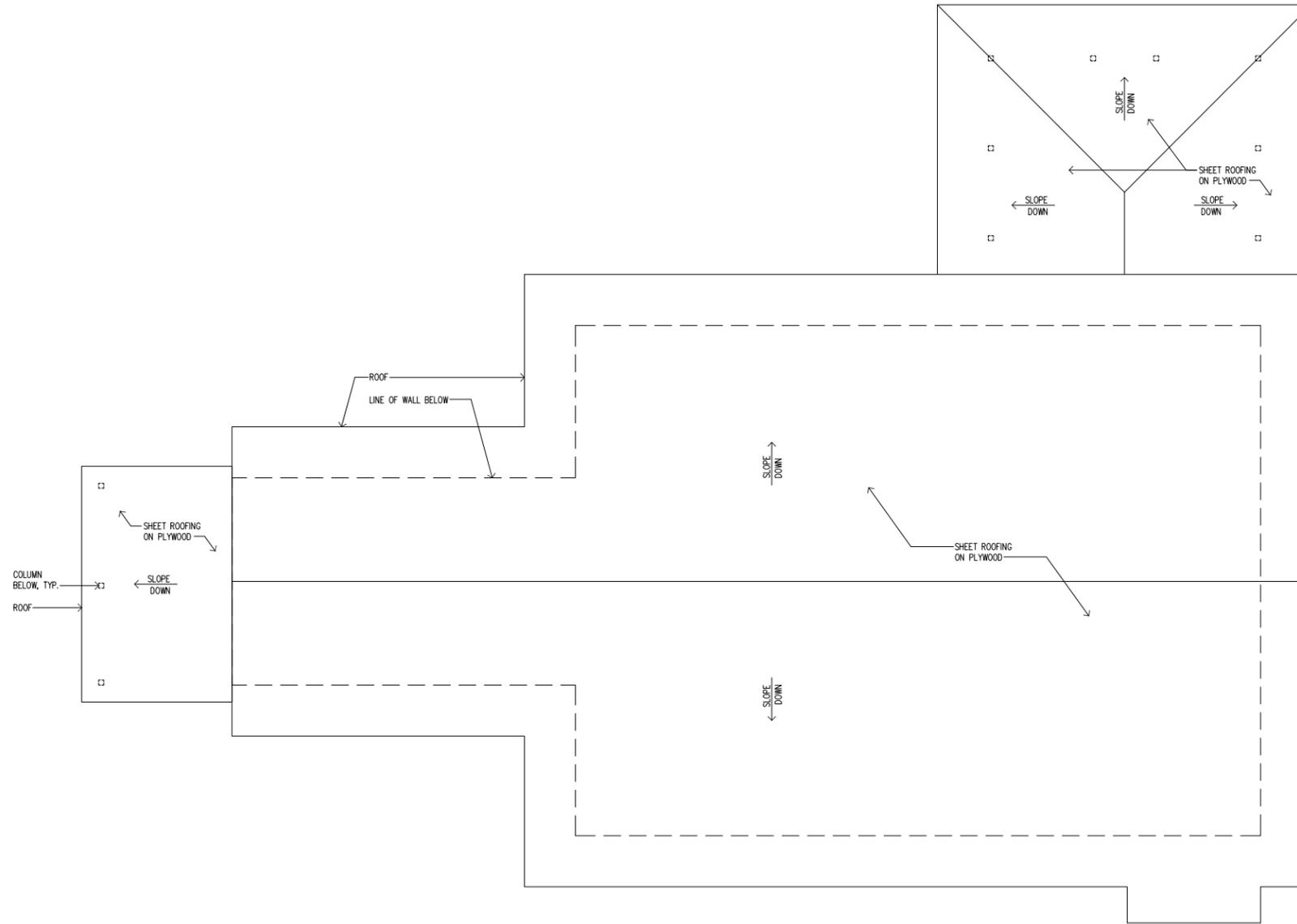
Director _____ Date _____
 Department of Design and Construction

DEPARTMENT OF LAND & NATURAL RESOURCES
 STATE OF HAWAII
MALAEKAHANA SRA - KAHUKU SECTION
SEWER SYSTEM IMPROVEMENTS
 66-335 KAMEHAMEHA HWY, LAIE, HAWAII 98762
 TAX MAP KEY: 6-6-001-001

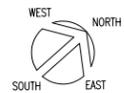
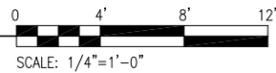
DESIGN BY: BC
 DRAWN BY: BC
 CHECKED BY: FE
 DATE: MAY 2013
 PROJECT NO.: H70C805A
 DRAWING NO.:
A-6
 SHEET NO. 6 OF XX
 FILE DRAW FOLDER

P:\1208_DLR_FOM\Malaeakahana\FacilityImprovements\Drawings\A-6_Cabin6-7.dwg - Plotted: 6/3/2013 5:23 PM

P:\1208_DLR_FOM\Malaekahana\FacilityImprovements\Drawings\A-7_Cabin-6-7.dwg - Plotted:6/3/2013 5:26 PM



1 CABIN 6 AND 7
ROOF PLAN
SCALE: 1/4"=1'-0"



NO.	DATE	DESCRIPTION	BY	APPROVED

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Signature _____ Date _____

ACCEPTED BY:

 Director
 Department of Design and Construction

DEPARTMENT OF LAND & NATURAL RESOURCES
 STATE OF HAWAII
MALAEKAHANA SRA - KAHUKU SECTION
SEWER SYSTEM IMPROVEMENTS
 66-335 KAMEHAMEHA HWY, LAKE, HAWAII 96762
 TAX MAP KEY: 6-6-006 001

DESIGN BY: BC
 DRAWN BY: BC
 CHECKED BY: FE
 DATE: MAY 2013
 PROJECT NO.: H70C805A
 DRAWING NO.:
A-7
 SHEET NO. 7 OF XX
 FILE DRAW FOLDER

SECURITY RESIDENCE - FINDINGS

The Security Residence is located at the southern end of the property and is currently occupied by a family during a long term period. It is the largest structure and is approximately 1,827 square feet and has three bedrooms, two bathrooms, a living room, kitchen, dining room, family room, laundry room, and covered lanai. The overall building condition is extremely poor, with water penetration apparent and varying degrees of damage to the roof, walls, partitions, flooring, finishes, etc.

The Cabin is located within the FEMA Flood Zone X, which is an area determined to be outside the 0.2% annual chance floodplain and therefore does not have any minimum finish floor elevation requirements. The Cabin's finish floor elevation is approximately 20.66'.

The Cabin is located within the SMA.

The Cabin is not located within the 40' shoreline setback.

The Cabin is within the tsunami inundation zone.

Per the Hazardous Materials Survey Report, Category I non-friable ACM was detected in the sliding door caulking. Category I friable ACM was found in the white kitchen sink undercoating. Lead containing paint was found within the Cabin at several locations including the white paint throughout the interior walls, door frames, wood and drywall ceilings, door and window frames. Lead containing paint was also found at the exterior dark blue paint throughout the walls, window frames, and beams. Mercury containing lamps were found within the Cabin.

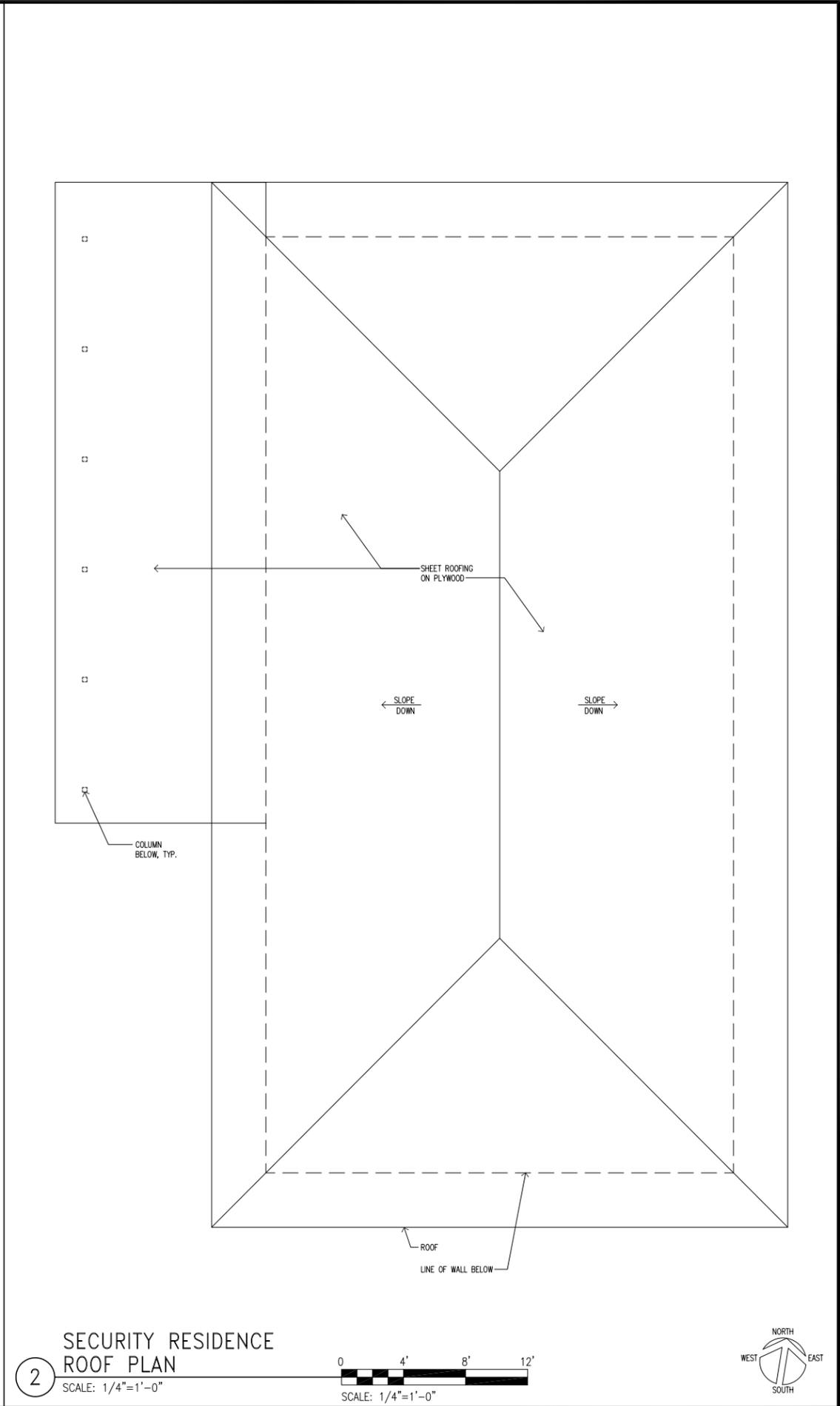
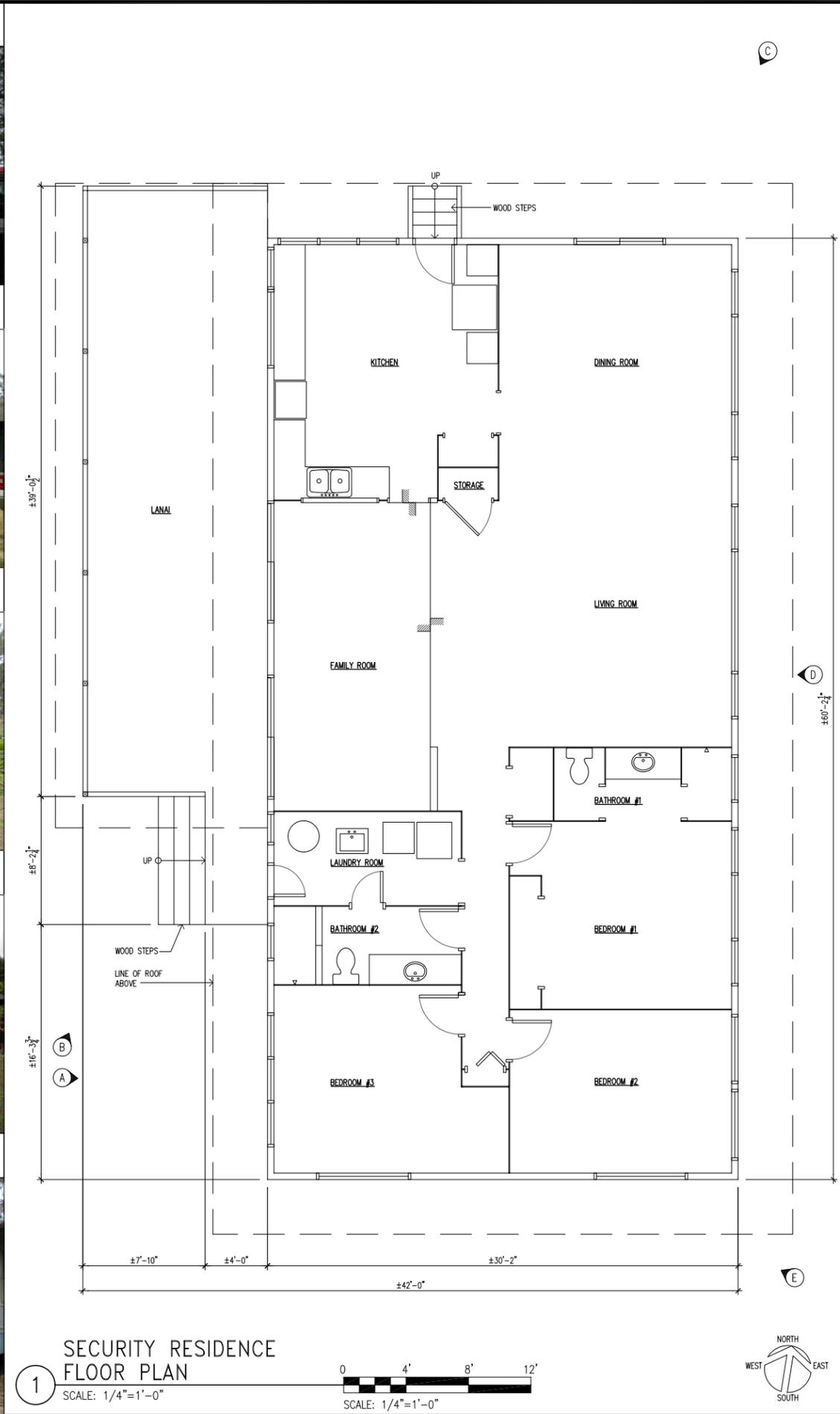
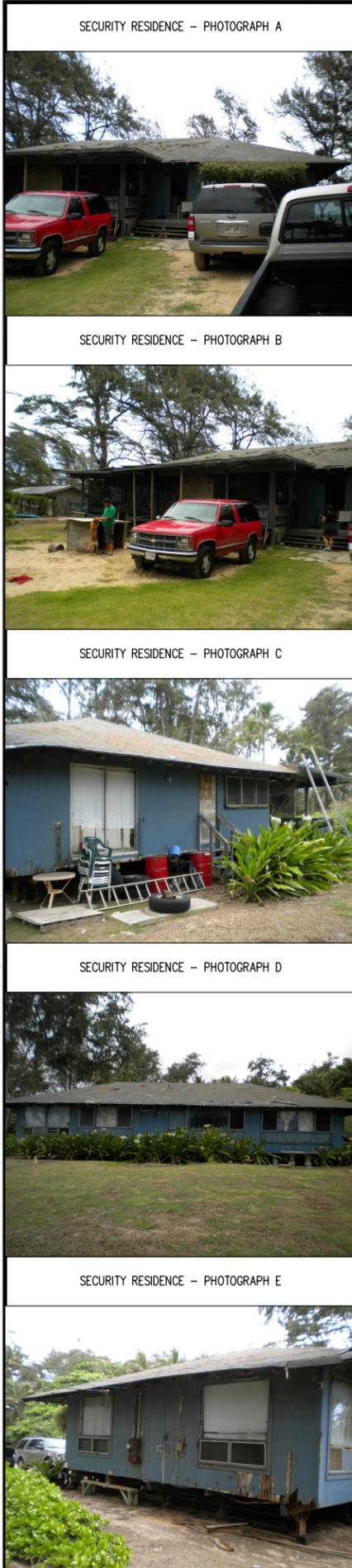
The Security Residence is not ADA compliant.

SECURITY RESIDENCE - RECOMMENDATIONS

Due to the overall damaged condition of the Cabin, presence of hazardous materials, and non-compliance with ADA requirements, the lease of the Security Residence should be terminated and the building should be boarded up to prevent public entry. The Security Residence should not be occupied.

The DLNR should proceed with the proper removal of the hazardous material, which is required to be by a licensed contractor(s) approved to perform such work in the State of Hawaii. Following the cleaning of hazardous materials, the Cabin should be demolished.





REV.	DATE	DESCRIPTION	APPROVED

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Signature: _____ Date: _____

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 Director, Department of Design and Construction

DEPARTMENT OF LAND & NATURAL RESOURCES
 STATE OF HAWAII
MALAEKAHANA SRA - KAHUKU SECTION
SEWER SYSTEM IMPROVEMENTS
 66-335 KAMEHAMEHA HWY, LAKE, HAWAII 96762
 TAX MAP KEY: 5-6-001-001

DESIGN BY: BC
 DRAWN BY: BC
 CHECKED BY: FE
 DATE: MAY 2013
 PROJECT NO.: H70C805A
 DRAWING NO.: **A-8**
 SHEET NO. 8 OF XX
 FILE DRAW FOLDER

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ASSESSMENT MATRIX

For assessment purposes, each cabin was evaluated through different criteria.

CRITERIA	CABIN 2	CABIN 3	CABIN 4	CABIN 5	CABIN 6 & 7	SECURITY RESIDENCE
FEMA Flood Hazard	X	X	VE	AE	VE	X
Tsunami Inundation Zone	Yes	Yes	Yes	Yes	Yes	Yes
SMA	Yes	Yes	Yes	Yes	Yes	Yes
40' Shoreline Setback	No	No	Yes	No	No	No
Hazardous Material						
Asbestos	Yes	Yes	Yes	Yes	Yes	Yes
Lead Paint	Yes	Yes	Yes	Yes	Yes	Yes
Arsenic	Yes	No	Yes*	Yes*	No	No
Mercury Containing Lamps	No	No	No	No	No	Yes
Building Condition**	Poor	Poor	Poor	Poor	Poor	Poor
ADA Compliant***	No	No	No	No	No	No
Historic****	Yes	No	Yes	Yes	Yes	No

* Arsenic was detected, but is below the action level of 100 mg/kg.

** Each cabin is in extremely poor condition, with damage to the roofs, walls, partitions, flooring, finishes, etc.

*** Per 2010 ADA Standards for Accessible Design, Section 224 Transient Lodging Guest Rooms.

**** Per Act 228, Session Laws of Hawaii 2008.

V. SUMMARY

Based upon the analysis and subsequent findings pertaining to each Cabin, it is highly recommended that use of the Cabins be discontinued. Each Cabin is in a state of disrepair and unfit to be occupied. The electrical has not been upgraded. Due to the presence of hazardous materials combined with a lack of structural integrity and overall lack of maintenance, the Cabins may pose a risk to public health, welfare, and safety. Each Cabin should be properly secured to prevent public entry. Each Cabin should also be clearly marked with signage noting that the public shall keep out. Signs should be posted so that they are clearly visible on all sides of each Cabin. The Cabins should also be periodically monitored to be sure that no individuals are occupying them.

The Cabins each contain varying quantities of hazardous materials. As a result, the Cabins cannot be demolished at this time, and that is the reason why the Cabins should be secured and no longer occupied.

Portions of the project site are located within the FEMA Flood Zone Flood Fringe District and Coastal High Hazard District. Any future development should be relocated outside the FEMA Flood Zone Flood Fringe District and Coastal High Hazard District or should be designed in accordance with the standards as outlined in the City and County of Honolulu Land Use Ordinance Section 21-9.10 Part 6 Flood Fringe District and Section 21-9.10 Part 7 Coastal High Hazard District.

Because the Cabins (with the exception of Cabin 3 and Security Residence) are considered historic, approval from the SHPD is required prior to demolition occurring. Each Cabin considered historic shall be measured, drawn, and photographed for the purposes of documenting it in accordance with §13-275-8 HAR. The SHPD has indicated that the following mitigation actions will fulfill this requirement, which is consistent with the intent of Historic American Buildings Survey (HABS) and Historic American Engineering Record (HAER):

- Photographic recording (digital) of all exterior elevations and interior rooms of each building.
- Produce scaled drawings of the floor plan and front and side exterior elevations.
- Provide a written history and description of the historic park facilities.

A report shall be prepared and submitted to the SHPD, which will include copies of photographs and digital line drawings of all floor plans and exterior elevations. The report, which will be submitted in hard copy and digital (PDF) format, shall also include a written history and description of the park cabin facilities.



VI. APPENDICES



City & County of Honolulu

Department of Planning & Permitting (DPP)

Property Information

56-285 KAM HWY

Tuesday, June 4, 2013 | 10:06:01 AM

General Information

City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Laie Beach Park

[show route](#)

Tax Bill Owner Information

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / X
 Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

Page Tools: [PRINT](#) | [BOOKMARK](#) | [EMAIL](#) | [STREET/BIRD'S EYE](#)

More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

Information shown on these maps are derived from public records that are constantly undergoing change and do not replace a site survey, and is not warranted for content or accuracy.

2010 Assessed Values as of October 1, 2009.

Department of Planning & Permitting
 650 S. King St, Ste 8, Honolulu, HI 96813
 gis@honolulu.gov
[Property Info Page FAQ](#)

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56-001004



City & County of Honolulu

Department of Planning & Permitting (DPP)

Property Information

56-291 KAM HWY

Monday, June 3, 2013 | 5:07:33 PM

General Information

TMK: 56001024:0000
 Building Value: \$294,000.00
 Building Exemption: \$294,000.00
 Land Value: \$2,623,600.00
 Land Exempt: \$2,623,600.00
 Acres: 2
 Square Feet 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Laie Beach Park

[show route](#)

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / X
 Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

Page Tools: [PRINT](#) | [BOOKMARK](#) | [EMAIL](#) | [STREET/BIRD'S EYE](#)

More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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City & County of Honolulu

Department of Planning & Permitting (DPP)

Property Information

56-295 KAM HWY

Monday, June 3, 2013 | 5:08:36 PM

General Information

TMK: 56001045:0000
 Building Value: \$108,600.00
 Building Exemption: \$108,600.00
 Land Value: \$1,667,800.00
 Land Exempt: \$1,667,800.00
 Acres: 2
 Square Feet: 0
Property Tax Class: Residential
City: Kahuku
Zip Code: 96731
Realtor Neighborhood: Malaekahana



Nearest Park:

Laie Beach Park

[show route](#)

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / X
 Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

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More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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City & County of Honolulu
Department of Planning & Permitting (DPP)

Property Information

56-349 A KAM HWY

Monday, June 3, 2013 | 5:11:50 PM

General Information

TMK: 56001047:0000
 Building Value: \$103,000.00
 Building Exemption: \$103,000.00
 Land Value: \$262,000.00
 Land Exempt: \$262,000.00
 Acres: 6
 Square Feet: 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:
[show all addresses >>](#)

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / AEF / AEF / AE / AE / A / X / AE
 Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

Page Tools: [PRINT](#) | [BOOKMARK](#) | [EMAIL](#) | [STREET/BIRD'S EYE](#)

More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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City & County of Honolulu

Department of Planning & Permitting (DPP)

Property Information

56-349 B KAM HWY

Monday, June 3, 2013 | 5:12:07 PM

General Information

TMK: 56001047:0000
 Building Value: \$103,000.00
 Building Exemption: \$103,000.00
 Land Value: \$262,000.00
 Land Exempt: \$262,000.00
 Acres: 6
 Square Feet 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

[show all addresses >>](#)

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / AEF / AEF / AE / AE / A / X / AE
 Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

Page Tools: [PRINT](#) | [BOOKMARK](#) | [EMAIL](#) | [STREET/BIRD'S EYE](#)

More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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Department of Planning & Permitting (DPP)

Property Information

56-335 KAM HWY

Monday, June 3, 2013 | 5:09:48 PM

General Information

TMK: 56001055:0000
 Building Value: \$0.00
 Building Exemption: \$0.00
 Land Value: \$290,900.00
 Land Exempt: \$290,900.00
 Acres: 4
 Square Feet 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Laie Beach Park

[show route](#)

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: X
 Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

Page Tools: [PRINT](#) | [BOOKMARK](#) | [EMAIL](#) | [STREET/BIRD'S EYE](#)

More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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 gis@honolulu.gov
[Property Info Page FAQ](#)

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City & County of Honolulu

Department of Planning & Permitting (DPP)

Property Information

Monday, June 3, 2013 | 5:10:12 PM

General Information

TMK: 56001056:0000

Building Value: \$92,700.00

Building Exemption: \$92,700.00

Land Value: \$1,788,500.00

Land Exempt: \$1,788,500.00

Acres: 1

Square Feet: 0

Property Tax Class: Residential

City: Kahuku

Zip Code: 96731

Realtor Neighborhood: Malaekahana

Nearest Park:

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202

Block Number: 4028

Population (block): 35

School and Transit Information

Elementary School: Laie

High School: KAHUKU

Near Transit Route: Yes

Near Bus Routes: 55, 88A

Voting Information

City Council Member: Ernest Y. Martin

Polling Place: Kahuku High/Inter Sch

Address: 56-490 Kamehameha Hwy

Neighborhood Board: KOOLAULOA

Zoning and Flood Information

Zoning (LUO) Designation: R-5

Ohana Zoning Designation: Ineligible

FEMA Flood Designation: VE / X

Tsunami Evacuation Zone: Yes

[more public safety info >>](#)

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More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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2010 Assessed Values as of October 1, 2009.

Department of Planning & Permitting
 650 S. King St, Ste 8, Honolulu, HI 96813
 gis@honolulu.gov
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City & County of Honolulu

Department of Planning & Permitting (DPP)

Property Information

56-335 B KAM HWY

Monday, June 3, 2013 | 5:10:51 PM

General Information

TMK: 56001057:0000
 Building Value: \$281,100.00
 Building Exemption: \$281,100.00
 Land Value: \$1,933,600.00
 Land Exempt: \$1,933,600.00
 Acres: 1
 Square Feet: 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes:

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / X
 Tsunami Evacuation Zone: Yes

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Department of Planning & Permitting (DPP)

Property Information

56-321 KAM HWY

Monday, June 3, 2013 | 5:09:25 PM

General Information

TMK: 56001059:0000
 Building Value: \$0.00
 Building Exemption: \$0.00
 Land Value: \$2,957,600.00
 Land Exempt: \$2,957,600.00
 Acres: 3
 Square Feet: 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Laie Beach Park

[show route](#)

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / X
 Tsunami Evacuation Zone: Yes

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More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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Department of Planning & Permitting (DPP)

Property Information

Monday, June 3, 2013 | 5:08:09 PM

<p>General Information</p> <p>TMK: 56001060:0000</p> <p>Building Value: \$77,000.00</p> <p>Building Exemption: \$77,000.00</p> <p>Land Value: \$1,424,300.00</p> <p>Land Exempt: \$1,424,300.00</p> <p>Acres: 1</p> <p>Square Feet: 0</p> <p><u>Property Tax Class:</u> Residential</p> <p>City: Kahuku</p> <p>Zip Code: 96731</p> <p>Realtor Neighborhood: Malaekahana</p> <p>Nearest Park: Laie Beach Park show route</p> <p>Tax Bill Owner Information</p> <table border="0"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Address</th> <th>Address 2</th> <th>City State Zip</th> </tr> </thead> <tbody> <tr> <td>STATE OF HAWAII</td> <td>Fee Owner</td> <td colspan="2" style="text-align: center;">></td> <td></td> </tr> </tbody> </table> <p>2010 Census Information</p> <p>Tract Number: 010202</p> <p>Block Number: 4028</p> <p>Population (block): 35</p> <p>School and Transit Information</p> <p>Elementary School: Laie</p> <p>High School: KAHUKU</p> <p>Near Transit Route: Yes</p> <p>Near Bus Routes: 55, 88A</p>	Name	Type	Address	Address 2	City State Zip	STATE OF HAWAII	Fee Owner	>			<p>Voting Information</p> <p>City Council Member: Ernest Y. Martin</p> <p>Polling Place: Kahuku High/Inter Sch</p> <p>Address: 56-490 Kamehameha Hwy</p> <p>Neighborhood Board: KOOLAULOA</p> <p>Zoning and Flood Information</p> <p>Zoning (LUO) Designation: R-5</p> <p>Ohana Zoning Designation: Ineligible</p> <p>FEMA Flood Designation: VE / X</p> <p>Tsunami Evacuation Zone: Yes</p> <p style="text-align: center;">more public safety info >></p>
Name	Type	Address	Address 2	City State Zip							
STATE OF HAWAII	Fee Owner	>									

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Department of Planning & Permitting (DPP)

Property Information

56-335 F KAM HWY

Monday, June 3, 2013 | 5:14:10 PM

General Information

TMK: 56001061:0000
 Building Value: \$0.00
 Building Exemption: \$0.00
 Land Value: \$1,594,100.00
 Land Exempt: \$1,594,100.00
 Acres: 1
 Square Feet: 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202
 Block Number: 4028
 Population (block): 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Laie [show route](#)
 High School: KAHUKU [show route](#)
 Near Transit Route: Yes
 Near Bus Routes:

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / VE / AEF / AEF
 Tsunami Evacuation Zone: Yes

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More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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Department of Planning & Permitting (DPP)

Property Information

Monday, June 3, 2013 | 5:14:25 PM

General Information

TMK: 56001063:0000
 Building Value: \$83,900.00
 Building Exemption: \$83,900.00
 Land Value: \$1,506,800.00
 Land Exempt: \$1,506,800.00
 Acres: 1
 Square Feet: 0
Property Tax Class: Residential
 City: Kahuku
 Zip Code: 96731
 Realtor Neighborhood: Malaekahana



Nearest Park:

Tax Bill Owner Information

Name	Type	Address	Address 2	City State Zip
STATE OF HAWAII	Fee Owner		>	

2010 Census Information

Tract Number: 010202 / 010202
 Block Number: 4000 / 4028
 Population (block): 0 / 35

Voting Information

City Council Member: Ernest Y. Martin
 Polling Place: Kahuku High/Inter Sch
 Address: 56-490 Kamehameha Hwy
 Neighborhood Board: KOOLAULOA

School and Transit Information

Elementary School: Kahuku Laie
 High School: KAHUKU
 Near Transit Route: Yes
 Near Bus Routes:

Zoning and Flood Information

Zoning (LUO) Designation: R-5
 Ohana Zoning Designation: Ineligible
 FEMA Flood Designation: VE / VE / AEF / AEF
 Tsunami Evacuation Zone: Yes

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More info: [ZONE INFO](#) | [BUILDING PERMITS](#) | [PROPERTY TAX](#)

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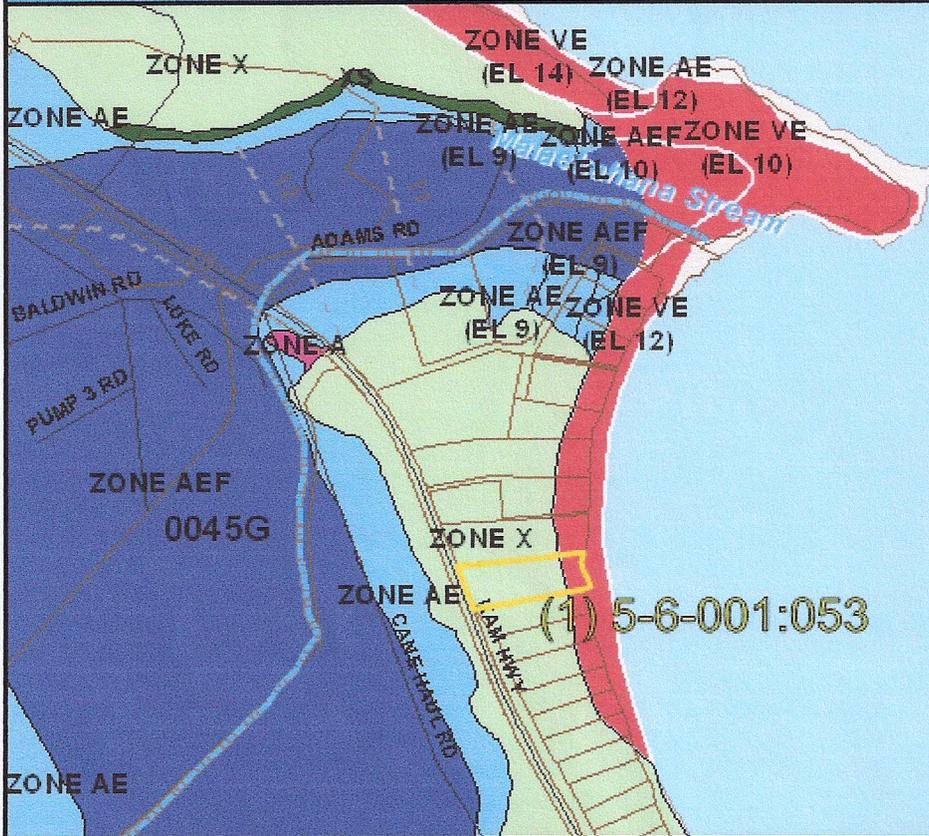
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FLOOD HAZARD ASSESSMENT REPORT



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD ZONE DEFINITIONS

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD – The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, AE, AH, AO, V, and VE. The Base Flood Elevation (BFE) is the water-surface elevation of the 1% annual chance flood. Mandatory flood insurance purchase applies in these zones:

- Zone A:** No BFE determined.
 - Zone AE:** BFE determined.
 - Zone AH:** Flood depths of 1 to 3 feet (usually areas of ponding); BFE determined.
 - Zone AO:** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined.
 - Zone V:** Coastal flood zone with velocity hazard (wave action); no BFE determined.
 - Zone VE:** Coastal flood zone with velocity hazard (wave action); BFE determined.
 - Zone AEF:** Floodway areas in Zone AE. The floodway is the channel of stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without increasing the BFE.
- NON-SPECIAL FLOOD HAZARD AREA** – An area in a low-to-moderate risk flood zone. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.
- Zone XS (X shaded):** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
 - Zone X:** Areas determined to be outside the 0.2% annual chance floodplain.

OTHER FLOOD AREAS

- Zone D:** Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

PROPERTY INFORMATION

COUNTY: HONOLULU
TMK NO: (1) 5-6-001-053
PARCEL ADDRESS: 56-289 KAM HWY
 KAHUKU, HI 96731
FIRM INDEX DATE: JANUARY 19, 2011
LETTER OF MAP CHANGE(S): NONE
FEMA FIRM PANEL(S): 15003C0045G
PANEL EFFECTIVE DATE: JANUARY 19, 2011

PARCEL DATA FROM: JANUARY 2012
IMAGERY DATA FROM: MAY 2006

IMPORTANT PHONE NUMBERS

County NFIP Coordinator
 City and County of Honolulu
 Mario Siu-Li, CFM (808) 768-8098
State NFIP Coordinator
 Carol Tyau-Beam, P.E., CFM (808) 587-0267

Disclaimer: The Department of Land and Natural Resources (DLNR) assumes no responsibility arising from the use of the information contained in this report. Viewers/Users are responsible for verifying the accuracy of the information and agree to indemnify the DLNR from any liability, which may arise from its use.

If this map has been identified as 'PRELIMINARY' or 'UNOFFICIAL', please note that it is being provided for informational purposes and is not to be used for official/legal decisions, regulatory compliance, or flood insurance rating. Contact your county NFIP coordinator for flood zone determinations to be used for compliance with local floodplain management regulations.

TABLE 503
ALLOWABLE HEIGHT AND BUILDING AREAS^a
 Height limitations shown as stories and feet above grade plane.
 Area limitations as determined by the definition of "Area, building," per story

GROUP	HGT(feet) HGT(S)	TYPE OF CONSTRUCTION								
		TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
		UL	160	65	55	65	55	65	50	40
A-1	S A	UL UL	5 UL	3 15,500	2 8,500	3 14,000	2 8,500	3 15,000	2 11,500	1 5,500
A-2	S A	UL UL	11 UL	3 15,500	2 9,500	3 14,000	2 9,500	3 15,000	2 11,500	1 6,000
A-3	S A	UL UL	11 UL	3 15,500	2 9,500	3 14,000	2 9,500	3 15,000	2 11,500	1 6,000
A-4	S A	UL UL	11 UL	3 15,500	2 9,500	3 14,000	2 9,500	3 15,000	2 11,500	1 6,000
A-5	S A	UL UL	UL UL	UL UL	UL UL	UL UL	UL UL	UL UL	UL UL	UL UL
B	S A	UL UL	11 UL	5 37,500	4 23,000	5 28,500	4 19,000	5 36,000	3 18,000	2 9,000
E	S A	UL UL	5 UL	3 26,500	2 14,500	3 23,500	2 14,500	3 25,500	1 18,500	1 9,500
F-1	S A	UL UL	11 UL	4 25,000	2 15,500	3 19,000	2 12,000	4 33,500	2 14,000	1 8,500
F-2	S A	UL UL	11 UL	5 37,500	3 23,000	4 28,500	3 18,000	5 50,500	3 21,000	2 13,000
H-1	S A	1 21,000	1 16,500	1 11,000	1 7,000	1 9,500	1 7,000	1 10,500	1 7,500	NP NP
H-2 ^d	S A	UL 21,000	3 16,500	2 11,000	1 7,000	2 9,500	1 7,000	2 10,500	1 7,500	1 3,000
H-3 ^d	S A	UL UL	6 60,000	4 26,500	2 14,000	4 17,500	2 13,000	4 25,500	2 10,000	1 5,000
H-4	S A	UL UL	7 UL	5 37,500	3 17,500	5 28,500	3 17,500	5 36,000	3 18,000	2 6,500
H-5	S A	4 UL	4 UL	3 37,500	3 23,000	3 28,500	3 19,000	3 36,000	3 18,000	2 9,000
I-1	S A	UL UL	9 55,000	4 19,000	3 10,000	4 16,500	3 10,000	4 18,000	3 10,500	2 4,500
I-2	S A	UL UL	4 UL	2 15,000	1 11,000	1 12,000	NP NP	1 12,000	1 9,500	NP NP
I-3	S A	UL UL	4 UL	2 15,000	1 10,000	2 10,500	1 7,500	2 12,000	2 7,500	1 5,000
I-4	S A	UL UL	5 60,500	3 26,500	2 13,000	3 23,500	2 13,000	3 25,500	1 18,500	1 9,000
M	S A	UL UL	11 UL	4 21,500	4 12,500	4 18,500	4 12,500	4 20,500	3 14,000	1 9,000
R-1	S A	UL UL	11 UL	4 24,000	4 16,000	4 24,000	4 16,000	4 20,500	3 12,000	2 7,000
R-2	S A	UL UL	11 UL	4 24,000	4 16,000	4 24,000	4 16,000	4 20,500	3 12,000	2 7,000
R-3	S A	UL UL	11 UL	4 UL	4 UL	4 UL	4 UL	4 UL	3 UL	3 UL
R-4	S A	UL UL	11 UL	4 24,000	4 16,000	4 24,000	4 16,000	4 20,500	3 12,000	2 7,000
S-1	S A	UL UL	11 48,000	4 26,000	3 17,500	3 26,000	3 17,500	4 25,500	3 14,000	1 9,000
S-2 ^{b, c}	S A	UL UL	11 79,000	5 39,000	4 26,000	4 39,000	4 26,000	5 38,500	4 21,000	2 13,500
U ^c	S A	UL UL	5 35,500	4 19,000	2 8,500	3 14,000	2 8,500	4 18,000	2 9,000	1 5,500

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m².

UL = Unlimited, NP = Not permitted.

- a. See the following sections for general exceptions to Table 503:
 1. Section 504.2, Allowable height increase due to automatic sprinkler system installation.
 2. Section 506.2, Allowable area increase due to street frontage.
 3. Section 506.3, Allowable area increase due to automatic sprinkler system installation.
 4. Section 507, Unlimited area buildings.
- b. For open parking structures, see Section 406.3.
- c. For private garages, see Section 406.1.
- d. See Section 415.5 for limitations.

tural panel (exterior glue), or of planks not less than 3 inches (76 mm) nominal in width, set on edge close together and laid as required for floors. Other types of decking shall be permitted to be used if providing equivalent fire resistance and structural properties.

602.4.6 Partitions. Partitions shall be of solid wood construction formed by not less than two layers of 1-inch (25 mm) matched boards or laminated construction 4 inches (102 mm) thick, or of 1-hour fire-resistance-rated construction.

602.4.7 Exterior structural members. Where a horizontal separation of 20 feet (6096 mm) or more is provided, wood columns and arches conforming to heavy timber sizes shall be permitted to be used externally.

602.5 Type V. Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code.

SECTION 603 COMBUSTIBLE MATERIAL IN TYPE I AND II CONSTRUCTION

603.1 Allowable materials. Combustible materials shall be permitted in buildings of Type I or Type II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3:

1. Fire-retardant-treated wood shall be permitted in:
 - 1.1. Nonbearing partitions where the required fire-resistance rating is 2 hours or less.
 - 1.2. Nonbearing exterior walls where no fire rating is required.
 - 1.3. Roof construction, including girders, trusses, framing and decking.

Exception: In buildings of Type I construction exceeding two stories in height, fire-retardant-treated wood is not permitted in roof construction when the vertical distance from the upper floor to the roof is less than 20 feet (6096 mm).

2. Thermal and acoustical insulation, other than foam plastics, having a flame spread index of not more than 25.

Exceptions:

1. Insulation placed between two layers of noncombustible materials without an intervening airspace shall be allowed to have a flame spread index of not more than 100.
2. Insulation installed between a finished floor and solid decking without intervening airspace shall be allowed to have a flame spread index of not more than 200.
3. Foam plastics in accordance with Chapter 26.
4. Roof coverings that have an A, B or C classification.

5. Interior floor finish and interior finish, trim and millwork such as doors, door frames, window sashes and frames.
6. Where not installed over 15 feet (4572 mm) above grade, show windows, nailing or furring strips and wooden bulkheads below show windows, including their frames, aprons and show cases.
7. Finished flooring applied directly to the floor slab or to wood sleepers that are fireblocked in accordance with Section 717.2.7.
8. Partitions dividing portions of stores, offices or similar places occupied by one tenant only and that do not establish a corridor serving an occupant load of 30 or more shall be permitted to be constructed of fire-retardant-treated wood, 1-hour fire-resistance-rated construction or of wood panels or similar light construction up to 6 feet (1829 mm) in height.
9. Stages and platforms constructed in accordance with Sections 410.3 and 410.4, respectively.
10. Combustible exterior wall coverings, balconies and similar projections and bay or oriel windows in accordance with Chapter 14.
11. Blocking such as for handrails, millwork, cabinets and window and door frames.
12. Light-transmitting plastics as permitted by Chapter 26.
13. Mastics and caulking materials applied to provide flexible seals between components of exterior wall construction.
14. Exterior plastic veneer installed in accordance with Section 2605.2.
15. Nailing or furring strips as permitted by Section 803.4.
16. Heavy timber as permitted by Note d to Table 601 and Sections 602.4.7 and 1406.3.
17. Aggregates, component materials and admixtures as permitted by Section 703.2.2.
18. Sprayed fire-resistant materials and intumescent and mastic fire-resistant coatings, determined on the basis of fire-resistance tests in accordance with Section 703.2 and installed in accordance with Section 1704.10 and 1704.11, respectively.
19. Materials used to protect penetrations in fire-resistance-rated assemblies in accordance with Section 712.
20. Materials used to protect joints in fire-resistance-rated assemblies in accordance with Section 713.
21. Materials allowed in the concealed spaces of buildings of Type I and II construction in accordance with Section 717.5.
22. Materials exposed within plenums complying with Section 602 of the *International Mechanical Code*.

603.1.1 Ducts. The use of nonmetallic ducts shall be permitted when installed in accordance with the limitations of the *International Mechanical Code*.

603.1.2 Piping. The use of combustible piping materials shall be permitted when installed in accordance with the limitations of the *International Mechanical Code* and the *International Plumbing Code*.

603.1.3 Electrical. The use of electrical wiring methods with combustible insulation, tubing, raceways and related components shall be permitted when installed in accordance with the limitations of the *ICC Electrical Code*.

**TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (hours)**

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A ^e	B	A ^e	B	HT	A ^e	B
Structural frame ^a	3 ^b	2 ^b	1	0	1	0	HT	1	0
Bearing walls									
Exterior ^g	3	2	1	0	2	2	2	1	0
Interior	3 ^b	2 ^b	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions	See Table 602								
Exterior									
Nonbearing walls and partitions							See Section 602.4.6		
Interior ^f	0	0	0	0	0	0		0	0
Floor construction									
Including supporting beams and joists	2	2	1	0	1	0	HT	1	0
Roof construction									
Including supporting beams and joists	1 1/2 ^c	1 ^{c, d}	1 ^{c, d}	0 ^d	1 ^d	0 ^d	HT	1 ^{c, d}	0

For SI: 1 foot = 304.8 mm.

- a. The structural frame shall be considered to be the columns and the girders, beams, trusses and spandrels having direct connections to the columns and bracing members designed to carry gravity loads. The members of floor or roof panels which have no connection to the columns shall be considered secondary members and not a part of the structural frame.
- b. Roof supports: Fire-resistance ratings of structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.
- c. Except in Group F-1, H, M and S-1 occupancies, fire protection of structural members shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
- d. In all occupancies, heavy timber shall be allowed where a 1-hour or less fire-resistance rating is required.
- e. An approved automatic sprinkler system in accordance with Section 903.3.1.1 shall be allowed to be substituted for 1-hour fire-resistance-rated construction, provided such system is not otherwise required by other provisions of the code or used for an allowable area increase in accordance with Section 506.3 or an allowable height increase in accordance with Section 504.2. The 1-hour substitution for the fire resistance of exterior walls shall not be permitted.
- f. Not less than the fire-resistance rating required by other sections of this code.
- g. Not less than the fire-resistance rating based on fire separation distance (see Table 602).

**TABLE 602
FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE^{a, e}**

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H	OCCUPANCY GROUP F-1, M, S-1	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U ^b
$X < 5^c$	All	3	2	1
$5 \leq X < 10$	IA Others	3 2	2 1	1 1
$10 \leq X < 30$	IA, IB IIB, VB Others	2 1 1	1 0 1	1 ^d 0 1 ^d
$X \geq 30$	All	0	0	0

For SI: 1 foot = 304.8 mm.

- a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
- b. For special requirements for Group U occupancies see Section 406.1.2
- c. See Section 705.1.1 for party walls.
- d. Open parking garages complying with Section 406 shall not be required to have a fire-resistance rating.
- e. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.

**TABLE 602.4
WOOD MEMBER SIZE**

MINIMUM NOMINAL SOLID SAWN SIZE		MINIMUM GLUED-LAMINATED NET SIZE	
Width, inch	Depth, inch	Width, inch	Depth, inch
8	8	6 3/4	8 1/4
6	10	5	10 1/2
6	8	5	8 1/4
6	6	5	6
4	6	3	6 7/8

For SI: 1 inch = 25.4 mm.

- (3) Structures on lots with a slope of 15 percent or more shall be governed by a maximum building envelope running parallel to grade at 30 feet in height measured vertically; and which intersects vertical front, rear and side yard planes, each 20 feet in height set at the respective buildable area boundary line. These intersections shall each be made at an angle of 60 degrees measured from the top of the respective yard plane (see Figure 21-3.2).

(Added by Ord. 99-12)

**Table 21-3.1
P-2, Agricultural & Country Districts
Development Standards**

Development Standard	District			
	P-2	AG-1	AG-2	Country
Minimum lot area (acres)	5	5	3 for major livestock production, 2 for all other uses	1
Minimum lot width and depth (feet)	200	150	150	100
Yards (feet):	Front	15	15	15
	Side and rear	15	10	10
Maximum building area (percent of zoning lot)	5	10 ²	10 ²	25 ²
Maximum height (feet) ¹	15-25	15-25 ³	15-25 ³	15-30
Height setbacks	per Sec. 21-3.40-1(e)	per Sec. 21-3.50-4(c)	per Sec. 21-3.50-4(c)	per Sec. 21-3.60-4(c)

¹Heights above the minima of the given range may require height setbacks or may be subject to other requirements. See the appropriate section for the zoning district for additional development standards concerning height.

²For nonagricultural structures.

³Fifteen feet for nonagricultural structures and dwellings; up to 25 feet are permitted if height setbacks are provided.

(Added by Ord. 99-12)

Sec. 21-3.70 Residential districts--Purpose and intent.

- (a) The purpose of the residential district is to allow for a range of residential densities. The primary use shall be detached residences. Other types of dwellings may also be allowed, including zero lot line, cluster and common wall housing arrangements. Nondwelling uses which support and complement residential neighborhood activities shall also be permitted.
- (b) The intent of the R-20 and R-10 districts is to provide areas for large lot developments. These areas would be located typically at the outskirts of urban development and may be applied as a transitional district between preservation, agricultural or country districts and urban districts. They would also be applied to lands where residential use is desirable but some development constraints are present.
- (c) The intent of the R-7.5, R-5 and R-3.5 districts is to provide areas for urban residential development. These districts would be applied extensively throughout the island.

(Added by Ord. 99-12)

Sec. 21-3.70-1 Residential uses and development standards.

- (a) Within the residential districts, permitted uses and structures shall be as enumerated in Table 21-3.
- (b) Within the residential districts, development standards shall be as enumerated in Table 21-3.2.
- (c) Additional Development Standards.
- (1) **Maximum Height.** The maximum height of structures shall be determined by the building envelope created as the result of the intersection of two planes. The first plane shall be measured horizontally across the parcel at 25 feet above the high point of the buildable area boundary line. The second plane shall run parallel to grade, as described in Section 21-4.60(b), measured at a height of 30 feet. If the two planes do not intersect, then the building envelope shall be determined by the first plane (see Figure 21-3.10).
- (2) **Height Setbacks.**
- (A) Any portion of a structure exceeding 15 feet shall be set back from every side and rear buildable area boundary line one foot for each two feet of additional height over 15 feet (see Figure 21-3.10); and
- (B) Any portion of a structure exceeding 20 feet shall be set back from the front buildable area boundary line one foot for every two feet of additional height over 20 feet.

(Added by Ord. 99-12)

**Table 21-3.2
Residential Districts
Development Standards**

Development Standard		District				
		R-3.5	R-5	R-7.5	R-10	R-20
Minimum lot area (square feet)	One-family dwelling, detached, and other uses	3,500	5,000	7,500	10,000	20,000
	Two-family dwelling, detached	7,000	7,500	14,000	Use not permitted	Use not permitted
	Duplex	3,500	3,750	7,000	Use not permitted	Use not permitted
Minimum lot width and depth (feet)		30 per duplex unit, 50 for other uses		35 per duplex unit, 65 for other uses	65 for dwellings, 100 for other uses	100
Yards (feet):	Front	10 for dwellings, 30 for other uses				
	Side and rear	5 for dwellings ¹ , 15 for other uses			5 for dwellings, 15 for other uses	
Maximum building area		50 percent of the zoning lot				
Maximum height (feet) ²		25-30				
Height setbacks		per Sec. 21-3.70-1(c)				

¹ For duplex lots, 5 feet for any portion of any structure not located on the common property line; the required side yard is zero feet for that portion of the lot containing the common wall.

² Heights above the minima of the given range may require height setbacks¹ or may be subject to other requirements. See the appropriate section for the zoning district for additional development standards concerning height.

(Added by Ord. 99-12)

Sec. 21-3.80 Apartment districts--Purpose and intent.

- (a) The purpose of the apartment districts is to allow for a range of apartment densities and a variety of living environments. The predominant uses include multifamily dwellings, such as common wall housing, walkup apartments and high-rise apartments. Uses and activities that complement apartment use are permitted, including limited social services.
- (b) The intent of the A-1 low density apartment district is to provide areas for low density, multifamily dwellings. It may be applied as a buffer between residential districts and other more intense, noncompatible districts. It would be applicable throughout the city.
- (c) The intent of the A-2 medium density apartment district is to provide areas for medium density, multifamily dwellings. It is intended primarily for concentrated urban areas where public services are centrally located and infrastructure capacities are adequate.
- (d) The intent of the A-3 high density apartment district is to provide areas for high density, high-rise, multifamily dwellings. It is intended for central urban core areas where public services and large infrastructure capacities are present.

(Added by Ord. 99-12)

Sec. 21-3.80 1 Apartment district uses and development standards.

- (a) Within the apartment districts, permitted uses and structures shall be as enumerated in Table 21-3.
- (b) Within the apartment districts, development standards shall be as enumerated in Table 21-3.3.
- (c) Additional Development Standards.
 - (1) Except for necessary access drives and walkways, all yards shall be landscaped.
 - (2) Optional Yard Siting. In the A-2 and A-3 districts, parking lots and garages may extend to side and rear property lines, provided the following requirements are met:
 - (A) An area or areas of open space equivalent to the area to be used for parking or accessory use structures are provided elsewhere on the zoning lot. This open space shall be maintained in landscaping, except for drives or walkways necessary for access to adjacent streets. Parking may overhang the open space up to three feet if wheel stops are installed. A minimum of 50 percent of the open space shall be contiguous to the street frontage abutting the zoning lot;
 - (B) Any parking floor in the 10 feet adjacent to the property line shall not be more than four feet above existing grade; and
 - (C) Landscaping required under Section 21-4.70 is provided and maintained.
 - (3) Height Setbacks. In the A-2 and A-3 districts, for any portion of a structure over 40 feet in height, additional side and rear setbacks shall be provided; for each 10 feet of

Advisory 223.1 General (Continued). Additionally, all types of features and amenities should be dispersed among accessible sleeping rooms to ensure equal access to and a variety of choices for all patients and residents.

223.1.1 Alterations. Where sleeping rooms are *altered* or *added*, the requirements of 223 shall apply only to the sleeping rooms being *altered* or *added* until the number of sleeping rooms complies with the minimum number required for new construction.

Advisory 223.1.1 Alterations. In alterations and additions, the minimum required number is based on the total number of sleeping rooms altered or added instead of on the total number of sleeping rooms provided in a facility. As a facility is altered over time, every effort should be made to disperse accessible sleeping rooms among patient care areas such as pediatrics, cardiac care, maternity, and other units. In this way, people with disabilities can have access to the full-range of services provided by a medical care facility.

223.2 Hospitals, Rehabilitation Facilities, Psychiatric Facilities and Detoxification Facilities. Hospitals, rehabilitation *facilities*, psychiatric *facilities* and detoxification *facilities* shall comply with 223.2.

223.2.1 Facilities Not Specializing in Treating Conditions That Affect Mobility. In *facilities* not specializing in treating conditions that affect mobility, at least 10 percent, but no fewer than one, of the patient sleeping rooms shall provide mobility features complying with 805.

223.2.2 Facilities Specializing in Treating Conditions That Affect Mobility. In *facilities* specializing in treating conditions that affect mobility, 100 percent of the patient sleeping rooms shall provide mobility features complying with 805.

Advisory 223.2.2 Facilities Specializing in Treating Conditions That Affect Mobility. Conditions that affect mobility include conditions requiring the use or assistance of a brace, cane, crutch, prosthetic device, wheelchair, or powered mobility aid; arthritic, neurological, or orthopedic conditions that severely limit one's ability to walk; respiratory diseases and other conditions which may require the use of portable oxygen; and cardiac conditions that impose significant functional limitations. Facilities that may provide treatment for, but that do not specialize in treatment of such conditions, such as general rehabilitation hospitals, are not subject to this requirement but are subject to Section 223.2.1.

223.3 Long-Term Care Facilities. In licensed long-term care *facilities*, at least 50 percent, but no fewer than one, of each type of resident sleeping room shall provide mobility features complying with 805.

224 Transient Lodging Guest Rooms

224.1 General. *Transient lodging facilities* shall provide guest rooms in accordance with 224.

[See additional requirements for places of lodging at 28 CFR 36.406(c), p. 28. and for housing at a place of education at 28 CFR 35.151(f), p. 11, and 28 CFR 36.406(e), p. 29.]

Advisory 224.1 General. Certain facilities used for transient lodging, including time shares, dormitories, and town homes may be covered by both these requirements and the Fair Housing Amendments Act. The Fair Housing Amendments Act requires that certain residential structures having four or more multi-family dwelling units, regardless of whether they are privately owned or federally assisted, include certain features of accessible and adaptable design according to guidelines established by the U.S. Department of Housing and Urban Development (HUD). This law and the appropriate regulations should be consulted before proceeding with the design and construction of residential housing.

224.1.1 Alterations. Where guest rooms are *altered* or *added*, the requirements of 224 shall apply only to the guest rooms being *altered* or *added* until the number of guest rooms complies with the minimum number required for new construction.

Advisory 224.1.1 Alterations. In alterations and additions, the minimum required number of accessible guest rooms is based on the total number of guest rooms altered or added instead of the total number of guest rooms provided in a facility. Typically, each alteration of a facility is limited to a particular portion of the facility. When accessible guest rooms are added as a result of subsequent alterations, compliance with 224.5 (Dispersion) is more likely to be achieved if all of the accessible guest rooms are not provided in the same area of the facility.

224.1.2 Guest Room Doors and Doorways. *Entrances*, doors, and doorways providing user passage into and within guest rooms that are not required to provide mobility features complying with 806.2 shall comply with 404.2.3.

EXCEPTION: Shower and sauna doors in guest rooms that are not required to provide mobility features complying with 806.2 shall not be required to comply with 404.2.3.

Advisory 224.1.2 Guest Room Doors and Doorways. Because of the social interaction that often occurs in lodging facilities, an accessible clear opening width is required for doors and doorways to and within all guest rooms, including those not required to be accessible. This applies to all doors, including bathroom doors, that allow full user passage. Other requirements for doors and doorways in Section 404 do not apply to guest rooms not required to provide mobility features.

224.2 Guest Rooms with Mobility Features. In *transient lodging facilities*, guest rooms with mobility features complying with 806.2 shall be provided in accordance with Table 224.2.

Table 224.2 Guest Rooms with Mobility Features

Total Number of Guest Rooms Provided	Minimum Number of Required Rooms Without Roll-in Showers	Minimum Number of Required Rooms With Roll-in Showers	Total Number of Required Rooms
1 to 25	1	0	1
26 to 50	2	0	2
51 to 75	3	1	4
76 to 100	4	1	5
101 to 150	5	2	7
151 to 200	6	2	8
201 to 300	7	3	10
301 to 400	8	4	12
401 to 500	9	4	13
501 to 1000	2 percent of total	1 percent of total	3 percent of total
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000	10, plus 1 for each 100, or fraction thereof, over 1000	30, plus 2 for each 100, or fraction thereof, over 1000

224.3 Beds. In guest rooms having more than 25 beds, 5 percent minimum of the beds shall have clear floor space complying with 806.2.3.

224.4 Guest Rooms with Communication Features. In *transient lodging facilities*, guest rooms with communication features complying with 806.3 shall be provided in accordance with Table 224.4.

Table 224.4 Guest Rooms with Communication Features

Total Number of Guest Rooms Provided	Minimum Number of Required Guest Rooms With Communication Features
2 to 25	2
26 to 50	4
51 to 75	7
76 to 100	9
101 to 150	12

Table 224.4 Guest Rooms with Communication Features

Total Number of Guest Rooms Provided	Minimum Number of Required Guest Rooms With Communication Features
151 to 200	14
201 to 300	17
301 to 400	20
401 to 500	22
501 to 1000	5 percent of total
1001 and over	50, plus 3 for each 100 over 1000

224.5 Dispersion. Guest rooms required to provide mobility features complying with 806.2 and guest rooms required to provide communication features complying with 806.3 shall be dispersed among the various classes of guest rooms, and shall provide choices of types of guest rooms, number of beds, and other amenities comparable to the choices provided to other guests. Where the minimum number of guest rooms required to comply with 806 is not sufficient to allow for complete dispersion, guest rooms shall be dispersed in the following priority: guest room type, number of beds, and amenities. At least one guest room required to provide mobility features complying with 806.2 shall also provide communication features complying with 806.3. Not more than 10 percent of guest rooms required to provide mobility features complying with 806.2 shall be used to satisfy the minimum number of guest rooms required to provide communication features complying with 806.3.

Advisory 224.5 Dispersion. Factors to be considered in providing an equivalent range of options may include, but are not limited to, room size, bed size, cost, view, bathroom fixtures such as hot tubs and spas, smoking and nonsmoking, and the number of rooms provided.

225 Storage

225.1 General. Storage *facilities* shall comply with 225.

225.2 Storage. Where storage is provided in accessible *spaces*, at least one of each type shall comply with 811.

Advisory 225.2 Storage. Types of storage include, but are not limited to, closets, cabinets, shelves, clothes rods, hooks, and drawers. Where provided, at least one of each type of storage must be within the reach ranges specified in 308; however, it is permissible to install additional storage outside the reach ranges.

225.2.1 Lockers. Where lockers are provided, at least 5 percent, but no fewer than one of each type, shall comply with 811.

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

701 General

701.1 Scope. The provisions of Chapter 7 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

EXCEPTION: Fire alarm systems in medical care facilities shall be permitted to be provided in accordance with industry practice.

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and *tactile characters* are required, either one sign with both visual and *tactile characters*, or two separate signs, one with visual, and one with *tactile characters*, shall be provided.

703.2 Raised Characters. Raised *characters* shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised *characters* shall be installed in accordance with 703.4.

Advisory 703.2 Raised Characters. Signs that are designed to be read by touch should not have sharp or abrasive edges.

703.2.1 Depth. Raised *characters* shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. *Characters* shall be uppercase.

703.2.3 Style. *Characters* shall be sans serif. *Characters* shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. *Characters* shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. *Character* height measured vertically from the baseline of the *character* shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

805.3 Clear Floor or Ground Space. A clear floor space complying with 305 shall be provided on each side of the bed. The clear floor space shall be positioned for parallel approach to the side of the bed.

805.4 Toilet and Bathing Rooms. Toilet and bathing rooms that are provided as part of a patient or resident sleeping room shall comply with 603. Where provided, no fewer than one water closet, one lavatory, and one bathtub or shower shall comply with the applicable requirements of 603 through 610.

806 Transient Lodging Guest Rooms

806.1 General. *Transient lodging* guest rooms shall comply with 806. Guest rooms required to provide mobility features shall comply with 806.2. Guest rooms required to provide communication features shall comply with 806.3.

806.2 Guest Rooms with Mobility Features. Guest rooms required to provide mobility features shall comply with 806.2.

Advisory 806.2 Guest Rooms. The requirements in Section 806.2 do not include requirements that are common to all accessible spaces. For example, closets in guest rooms must comply with the applicable provisions for storage specified in scoping.

CLEAR FLOOR OR GROUND SPACE →

806.2.1 Living and Dining Areas. Living and dining areas shall be accessible.

806.2.2 Exterior Spaces. Exterior spaces, including patios, terraces and balconies, that serve the guest room shall be accessible.

806.2.3 Sleeping Areas. At least one sleeping area shall provide a clear floor space complying with 305 on both sides of a bed. The clear floor space shall be positioned for parallel approach to the side of the bed.

EXCEPTION: Where a single clear floor space complying with 305 positioned for parallel approach is provided between two beds, a clear floor or ground space shall not be required on both sides of a bed.

806.2.4 Toilet and Bathing Facilities. At least one bathroom that is provided as part of a guest room shall comply with 603. No fewer than one water closet, one lavatory, and one bathtub or shower shall comply with applicable requirements of 603 through 610. In addition, required roll-in shower compartments shall comply with 608.2.2 or 608.2.3. Toilet and bathing fixtures required to comply with 603 through 610 shall be permitted to be located in more than one toilet or bathing area, provided that travel between fixtures does not require travel between other parts of the guest room.

806.2.4.1 Vanity Counter Top Space. If vanity counter top space is provided in non-accessible guest toilet or bathing rooms, comparable vanity counter top space, in terms of size and proximity to the lavatory, shall also be provided in accessible guest toilet or bathing rooms.

Advisory 806.2.4.1 Vanity Counter Top Space. This provision is intended to ensure that accessible guest rooms are provided with comparable vanity counter top space.

806.2.5 Kitchens and Kitchenettes. Kitchens and kitchenettes shall comply with 804.

806.2.6 Turning Space. Turning *space* complying with 304 shall be provided within the guest room.

806.3 Guest Rooms with Communication Features. Guest rooms required to provide communication features shall comply with 806.3.

Advisory 806.3 Guest Rooms with Communication Features. In guest rooms required to have accessible communication features, consider ensuring compatibility with adaptive equipment used by people with hearing impairments. To ensure communication within the facility, as well as on commercial lines, provide telephone interface jacks that are compatible with both digital and analog signal use. If an audio headphone jack is provided on a speaker phone, a cutoff switch can be included in the jack so that insertion of the jack cuts off the speaker. If a telephone-like handset is used, the external speakers can be turned off when the handset is removed from the cradle. For headset or external amplification system compatibility, a standard subminiature jack installed in the telephone will provide the most flexibility.

806.3.1 Alarms. Where emergency warning systems are provided, alarms complying with 702 shall be provided.

806.3.2 Notification Devices. Visible notification devices shall be provided to alert room occupants of incoming telephone calls and a door knock or bell. Notification devices shall not be connected to visible alarm signal appliances. Telephones shall have volume controls compatible with the telephone system and shall comply with 704.3. Telephones shall be served by an electrical outlet complying with 309 located within 48 inches (1220 mm) of the telephone to facilitate the use of a TTY.

807 Holding Cells and Housing Cells

807.1 General. Holding cells and housing cells shall comply with 807.

807.2 Cells with Mobility Features. Cells required to provide mobility features shall comply with 807.2.

807.2.1 Turning Space. Turning *space* complying with 304 shall be provided within the cell.

807.2.2 Benches. Where benches are provided, at least one bench shall comply with 903.

807.2.3 Beds. Where beds are provided, clear floor *space* complying with 305 shall be provided on at least one side of the bed. The clear floor *space* shall be positioned for parallel approach to the side of the bed.

807.2.4 Toilet and Bathing Facilities. Toilet *facilities* or bathing *facilities* that are provided as part of a cell shall comply with 603. Where provided, no fewer than one water closet, one lavatory, and one bathtub or shower shall comply with the applicable requirements of 603 through 610.

**HAZARDOUS MATERIALS
SURVEY REPORT-REVISED**

**REPAIR AND/OR REPLACEMENT OF EXISTING CABINS 2 THRU 7, THE OFFICE/RESIDENCE, THE
CARETAKER'S RESIDENCE (CRAIG CHAPMAN'S RESIDENCE), SECURITY HOUSE (ARON
TUFAGA'S RESIDENCE), AND SECURITY RESIDENCE (GAME WARDEN'S RESIDENCE)
56-335 KAMEHAMEHA HIGHWAY
DEPARTMENT OF LAND & NATURAL RESOURCES, FRIENDS OF MALAEKAHANA
BEACH PARK (DLNR-FOM)
OAHU, HAWAII**

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ETC Project No. 13-4014

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1.0 CERTIFICATIONS AND LIMITATIONS

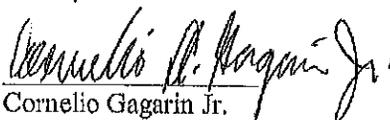
EnviroServices & Training Center, LLC (ETC) has completed this Hazardous Materials Survey Report for specified structures at Malaekahana Beach Park, Cabins 2 thru 7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence), and Security Residence (Game Warden's Residence) located at 56-335 Kamehameha Highway, Oahu, Hawaii (Subject Site). ETC's findings and recommendations contained herein are based on research, site observations, government regulations and laboratory data, which were gathered at the time and location of the study. Opinions stated in this report do not apply to changes that may have occurred after the services were performed.

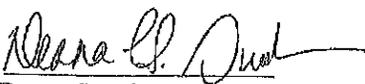
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2.0 EXECUTIVE SUMMARY

EnviroServices & Training Center, LLC (ETC) has completed this Hazardous Materials Survey Report for Cabins 2 thru 7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence), and Security Residence (Game Warden's Residence) at Malaekahana Beach Park (Subject Site). During ETC's survey, various asbestos containing materials (ACM), surfaces coated in lead containing paint (LCP), including lead-based paint (LBP), and arsenic containing materials were observed. The following summarizes the hazardous materials identified during ETC's survey:

Summary of Asbestos Containing Materials Survey

The following table lists materials determined to have regulated asbestos content equal to or greater than 1%.

**Asbestos Containing Materials
Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House
(Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park**

Homogenous Area			Material	Type	Cond.	Friability	Estimated Amount
Cabin 2	Interior	Bedroom 1	12"x12"Vinyl Floor Tile (2 nd layer tile)	Misc.	Poor	Non-Friable I	170 sq.ft.
Cabin 2	Interior	Bedroom 2	12"x12"Vinyl Floor Tile (3 rd layer tile)	Misc.	Poor	Non-Friable I	170 sq.ft.
Cabin 2	Interior	Throughout	Drywall Walls & Ceilings	Misc.	Poor	Friable	800 sq.ft.
Cabin 2	Interior	Restroom	Sink Counter Caulking	Misc.	Poor	Non-Friable I	4 sq.ft.
Cabin 2	Exterior	Roof	Black asphaltic-built up material with granules & paint	Misc.	Poor	Non-Friable I	1600 sq.ft.
Cabin 3	Exterior	Roof	Black asphaltic-built up material with granules	Misc.	Poor	Non-Friable I	1560 sq.ft.
Cabin 4	Exterior	Roof	Black asphaltic material with fibrous material & granules	Misc.	Poor	Non-Friable I	1300 sq.ft.
Cabin 5	Interior	Bedrooms 1,2 & 3	9"x9"Vinyl Floor Tile, Black with mastic	Misc.	Poor	Non-Friable I	360 sq.ft.
Cabin 6 & 7	Interior	Kitchen	Grey Sink Undercoat	TSI	Fair	Friable	4 sq.ft.
Cabin 6 & 7	Exterior	Roof	Black asphaltic fibrous material with granules and paint	Misc.	Poor	Non-Friable I	1600 sq.ft.

Asbestos Containing Materials (continued)

**Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park**

Homogenous Area			Material	Type	Cond.	Friability	Estimated Amount
Office/Residence	Interior	Office Side, back room & entrance to restroom	12"x12"Vinyl Floor Tile, White	Misc.	Poor	Non-Friable I	150 sq.ft.
Caretakers' Residence	Interior	Kitchen	Black Sink Undercoat	TSI	Good	Friable	8 sq.ft.
Caretakers' Residence	Exterior	Roof	Brown & Black Pipe Penetration Sealant	Misc.	Good	Non-Friable I	24 sq.ft.
Security House (Aaron's Residence)	Interior	Kitchen	Black Sink Undercoat	TSI	Poor	Friable	8 sq.ft.
Security Residence (Game Warden's Residence)	Interior	Kitchen	White Sink Undercoat	Misc.	Poor	Non-Friable I	4 sq.ft.
Security Residence (Game Warden's Residence)	Interior	Living Room	Sliding Door Caulking	Misc.	Poor	Non-Friable I	10 linear ft.

Summary of Lead Paint Survey

The following table lists the five (5) sampled painted surfaces in poor condition that contain lead in excess of the Environmental Protection Agency (EPA)/United States Department of Housing and Urban Development (HUD) guideline of 5,000 mg/kg defining Lead-Based Paint (LBP).

Lead Based Paint

**Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park**

Site	Interior/Exterior	Description	Color	Condition	Substrate
Cabin 4	Interior	White Paint Throughout	White	Poor	Wood and Canec
Cabin 4	Exterior (Lanai)	Brown Paint on Floors and Beams	Brown	Poor	Wood
Cabin 5	Exterior	Brown Paint on Walls	Brown	Poor	Wood
Security House (Aaron's)	Interior	White Paint on Walls, Ceilings, Beams, Doors & Window Frames	White	Poor	Wood
Security House (Aaron's)	Exterior	Grey Paint on Walls, Door & Beams	Grey	Poor	Wood

Hazardous Materials Survey Report

Malaekahana Beach Park

*Cabins 2-7, Office/Residence, Caretaker's Residence, Security House, & Security Residence
Oahu, Hawaii*

September 27, 2013

ETC Project # 13-4014

In addition, Eighteen (18) sampled painted surfaces, in poor condition, contained detectable levels of lead less than 5,000 mg/kg and are considered to be Lead Containing Paint (LCP).

Lead Containing Paint (Poor Condition)

**Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park**

Site	Interior/Exterior	Description	Color	Condition	Substrate
Cabin 2	Interior & Exterior	Beige Paint Throughout	Beige	Poor	Wood & Canec
Cabin 2	Exterior	Red Paint on Stairs, Doors & Beams	Red	Poor	Wood
Cabin 2	Exterior	Aqua Paint Throughout	Aqua	Poor	Wood
Cabin 2	Exterior	Beige Paint on Outside Deck	Beige	Poor	Wood
Cabin 3	Interior	Off White Paint Throughout	Off White	Poor	Wood
Cabin 5	Interior	Beige Paint Throughout	Beige	Poor	Wood & Fiber Board
Cabin 5	Interior	Lt. Blue Paint throughout Kitchen	Lt. Blue	Poor	Wood
Cabin 5	Interior	White Paint in Bedrooms & Restroom	White	Poor	Wood
Cabin 5	Exterior	Beige Paint on Walls, Beams, Trims & Door Frame	Beige	Poor	Wood
Cabin 5	Exterior	Aqua Paint on Beams, Trims & Ceilings	Aqua	Poor	Wood
Cabin 6 & 7	Exterior	Grey Paint on Walls, Beams, Ceiling, Door, Door & Window Frames	Grey	Poor	Wood
Office/Residence	Exterior	Beige Paint on Walls, Eaves, Trim & Ceiling under Lanai	Beige	Poor	Wood
Office/Residence	Interior	Beige Paint on Walls, Beams, Doors, Windows & Ceilings	Beige	Poor	Wood
Office/Residence	Exterior	Lt. Blue Paint on Walls, Beams & Trims	Lt. Blue	Poor	Wood
Security House (Aron Tufaga's Residence)	Interior	Pink Paint on Ceiling	Pink	Poor	Metal
Security Residence (Game Warden's Residence)	Interior	White Paint on Walls, Door, Ceiling, Door & Window Frame	White	Poor	Wood/Drywall
Security Residence (Game Warden's Residence)	Exterior	Dark Blue Paint on Walls, Window Frame & Beams	Dark Blue	Poor	Wood

Summary of Arsenic Survey

Two (2) sampled materials contained detectable levels of arsenic. The following table lists these materials.

**Arsenic Containing Materials
Cabins 2, 6 & 7 & Caretaker's House (Craig Chapman's Residence)
Malaekahana Beach Park**

Site	Area	Interior/Exterior	Description	Condition
Cabin 2	Ceiling	Interior	Brown Fibrous Material	Poor
Cabin 6 & 7	Ceiling	Interior	Brown Fibrous Material	Poor

Summary of the Miscellaneous Hazardous Materials Survey

The numbers of polychlorinated biphenyl (PCB) containing ballasts or mercury containing lamps were tabulated for the Subject Site. The results of this survey are provided below.

**Ballasts and Lamps
Security House (Aron Tufaga's Residence) &
Security Residence (Game Warden's Residence)
Malaekahana Beach Park**

Site	Ballasts		Lamps	
	PCB Containing	Non-PCB Containing	Mercury Containing	Non-Mercury Containing
Aaron's Security House	0	1	2	0
Game Warden Security Residence	0	1	3	0
Total	0	2	5	0

Based on ETC's visual inspection of the Subject Sites, inventory of potentially hazardous materials, and laboratory data, ETC recommends the following:

- Manage and/or remove and dispose of hazardous and regulated materials in accordance with applicable local, state, and federal regulations, prior to renovation and/or demolition activities that may disturb these materials.
- Handle materials containing glass fibers with appropriate protective equipment to prevent inhalation or ingestion of fibers and contact with skin and mucous membranes.
- All friable ACM must be removed and disposed of by a qualified asbestos abatement contractor. Friable ACM is defined as those materials that may be crumbled, pulverized, or otherwise damaged by hand pressure.
- Any non-friable ACM which could be crumbled and pulverized during renovation/demolition activities must be removed and disposed of by a qualified asbestos abatement contractor.
- In addition, the services of a qualified consultant should be obtained to monitor and inspect the removal activities to ensure compliance with applicable EPA, Occupational Safety and Health Administration (OSHA), and Hawaii Occupational Safety and Health (HIOSH) regulations pertaining to the handling of asbestos containing material.
- Remove and dispose of all lead-based paint and loose and flaking (poor condition) lead-containing paint that may be disturbed during renovation/demolition activities in accordance with applicable local, state, and federal regulations. Note that conditions of paint may have changed since the time of this survey.
- Any abatement and demolition contractor(s) must take appropriate measures to comply with applicable EPA, OSHA and HIOSH regulations pertaining to the handling of lead and arsenic containing materials and worker protection. Note that OSHA and HIOSH regulate activities that disturb paint containing any detectable concentration of lead.
- Have air monitoring conducted for airborne asbestos fibers by a State of Hawaii certified Project Monitor and airborne lead and arsenic by qualified personnel during any lead, arsenic and/or asbestos abatement and general renovation/demolition activities of areas that were determined to contain these contaminants.

3.0 INTRODUCTION/PURPOSE

The purpose of this survey was to investigate the Subject Site for the presence of hazardous materials that may be affected by the renovation project. The investigation was limited to the following structures specified to ETC by The Limtiaco Consulting Group:

- Cabins 2, 3, 4, 5, 6, 7
- Office/Residence
- Caretaker's Residence (Craig Chapman's Residence)
- Security House (Aron Tufaga's Residence)
- Security Residence (Game Warden's Residence)

Specifically, ETC completed the following tasks:

- Performed site reconnaissance at the Subject Site;
- Collected two-hundred and eighty-two (282) samples of suspected ACM from various locations throughout the Subject Sites;
- Submitted the two-hundred and eighty-two (282) samples of suspected ACM to NVL Laboratories, Inc. for analysis of asbestos via Polarized Light Microscopy (PLM) in accordance with the Asbestos Hazard Emergency Response Act (AHERA) protocol and the National Institute for Occupational Safety and Health (NIOSH) Method 600/R-93/116;
- Collected fifty-four (54) paint chip samples from surfaces at the Subject Sites;
- Submitted the fifty-four (54) paint chip samples to NVL Laboratories, Inc. for analysis via EPA Method 7420 for total lead content;
- Collected five (5) bulk samples of suspected arsenic containing wood fiberboard from the Subject Site;
- Submitted the five (5) samples of suspected arsenic to NVL Laboratories, Inc. for analysis of total arsenic content; and
- Prepared this report documenting the field activities and the results of the investigation including analytical results, conclusions, and recommendations.

4.0 METHODOLOGY

4.1 Asbestos

ETC personnel collected a total of two-hundred and eighty-two (282) samples of suspected building materials for asbestos analysis. All of the suspected ACM samples were collected from various areas at the Subject Site in general accordance with EPA guidelines and recommendations.

The suspected asbestos containing materials were wetted with amended water before sample collection. A small piece was then carefully cut out and placed into a labeled re-sealable plastic bag. The sampling equipment was cleaned between each sample collection to avoid cross-contamination between samples. The approximate quantity of each suspected asbestos-containing material was noted. Sample locations were randomly selected in accordance with EPA protocols and recommendations.

All samples were properly logged and recorded following strict chain of custody procedure and submitted to NVL Laboratories, Inc. in Seattle, Washington for analysis by PLM in accordance with EPA Method 600/R-93/116. NVL Laboratories, Inc. is accredited for bulk asbestos analysis through successful participation in the National Voluntary Lab Accreditation Program (NVLAP).

4.2 Lead Paint

ETC personnel collected and analyzed fifty-four (54) paint chip samples from the Subject Site in accordance with EPA guidelines and recommendations.

The suspected lead-containing paints were wetted with amended water before sample collection. Paint was carefully scraped and placed into a labeled re-sealable plastic bag. The sampling equipment was cleaned between each sample collection to avoid cross-contamination between samples. All samples were properly logged and recorded following strict chain of custody procedure and submitted to NVL Laboratories, Inc. for analysis in accordance with EPA method 7420.

4.3 Miscellaneous Hazardous Materials

Arsenic

ETC personnel collected five (5) samples of building materials suspected of containing arsenic from various locations.

The suspected arsenic containing materials were wetted with amended water before sample collection. A small piece was then carefully cut out and placed into a labeled re-sealable plastic bag. The samples were logged and recorded following strict chain of custody procedure and submitted to NVL for analysis by EPA Method 6010.

5.0 RESULTS

5.1 Asbestos Inspection

Of the samples collected sixteen (16) contained levels of asbestos above the regulatory limit of 1%. The results of this analysis are contained in Table 1 found in Appendix I.

In accordance with federal and state regulations and industry standard practice ETC determined homogenous areas of each suspect material and collected multiple representative samples of the material from each homogenous area. Typically, all samples for a suspect material will have similar laboratory results. When the results differ, a single result above the regulatory limit is sufficient to determine that the material within the homogenous area is ACM and the entirety of the homogenous area should be treated as ACM. Thus, ETC may request that the laboratory stops analyzing when the first sample in the set is determined to have an asbestos content above 1%. Twenty-seven (27) samples were not analyzed for this reason.

In addition, thirty-two (32) samples contained glass fibers. Although glass fiber containing materials are not specifically regulated, it is ETC's recommendation to handle these materials with appropriate protective equipment.

5.2 Lead Paint Inspection

Five (5) sampled painted surfaces in poor condition contained lead in excess of the EPA/HUD guideline of 5,000 mg/kg defining Lead-Based Paint (LBP).

In addition, eighteen (18) sampled painted surfaces, in poor condition contained detectable levels of lead at levels less than 5,000 mg/kg and are considered to be Lead Containing Paint (LCP).

The remaining thirty-one (31) sampled surfaces did not contain lead above the laboratory detection limit and are not considered to be lead containing.

The lead paint survey results are recorded in Table 2 found in Appendix I.

5.3 Miscellaneous Hazardous Materials

Two (2) sampled materials were above the action level of 100 mg/kg for arsenic. The arsenic survey results are recorded in Table 3 found in Appendix I.

6.0 RECOMMENDATIONS

In summary, various asbestos containing materials (ACM), surfaces coated in lead containing paint (LCP), including lead-based paint (LBP), arsenic containing materials was observed. Based on ETC's visual inspection of the facility, inventory of potentially hazardous materials, and laboratory data, ETC recommends the following:

- Manage and/or remove and dispose of hazardous and regulated materials in accordance with applicable local, state, and federal regulations, prior to renovation and/or demolition activities that may disturb these materials.
- Handle materials containing glass fibers with appropriate protective equipment to prevent inhalation or ingestion of fibers and contact with skin and mucous membranes.
- All friable ACM must be removed and disposed of by a qualified asbestos abatement contractor. Friable ACM is defined as those materials that may be crumbled, pulverized, or otherwise damaged by hand pressure.
- Any non-friable ACM which could be crumbled and pulverized during renovation/demolition activities must be removed and disposed of by a qualified asbestos abatement contractor.
- In addition, the services of a qualified consultant should be obtained to monitor and inspect the removal activities to ensure compliance with applicable EPA, OSHA, and HIOSH regulations pertaining to the handling of asbestos containing material.
- Remove and dispose of all lead based paint and loose and flaking (poor condition) lead-containing paint that may be disturbed during renovation/demolition activities in accordance with applicable local, state, and federal regulations. Note that conditions of paint may have changed since the time of this survey.
- Any abatement and demolition contractor(s) must take appropriate measures to comply with applicable EPA, OSHA and HIOSH regulations pertaining to the handling of lead and arsenic containing materials and worker protection. Note that OSHA and HIOSH regulate activities that disturb paint and other materials, including ceramic tile, containing any detectable concentration of lead.
- Have air monitoring conducted for airborne asbestos fibers by a State of Hawaii certified Project Monitor and airborne lead and arsenic by qualified personnel during any lead, arsenic and/or asbestos abatement and general renovation/demolition activities of areas that were determined to contain these contaminants.

Appendix I

TABLES OF RESULTS

Table 1
Asbestos Survey Results
Cabin 2
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Building	Interior/ Exterior							
4014-CAB2-01	Cabin 2	Interior	Ceramic Floor Tile w/grout, various colors	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-02								None Detected	N/A
4014-CAB2-03								None Detected	N/A
4014-CAB2-04	Cabin 2	Interior	12"x12" Vinyl Floor Tile (VFT) w/mastic, Black & White checkered pattern with replacement tiles	Poor	Misc.	Category I - Non-Friable	All	None Detected	N/A
4014-CAB2-05								None Detected	N/A
4014-CAB2-06								4% Chrysotile	170sq.ft
4014-CAB2-07	Cabin 2	Interior	12"x12" VFT w/mastic, White with replacement	Poor	Misc.	Category I - Non-Friable	3rd layer	5% Chrysotile	170sq.ft
4014-CAB2-08							Not Applicable	Not Analyzed	
4014-CAB2-09							Not Applicable	Not Analyzed	
4014-CAB2-10	Cabin 2	Interior	Sheet Vinyl Flooring w/mastic, Grey	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-11								None Detected	N/A
4014-CAB2-12								None Detected	N/A
4014-CAB2-13	Cabin 2	Interior	Drywall Walls	Poor	Friable	Friable	1st layer	22% Amosite & 8% Chrysotile	800sq.ft
4014-CAB2-14							Not Applicable	Not Analyzed	
4014-CAB2-15							Not Applicable	Not Analyzed	
4014-CAB2-16	Cabin 2	Interior	Restroom Sink Counter Caulking	Poor	Misc.	Category I - Non-Friable	1st layer	3% Chrysotile	4sq.ft
4014-CAB2-17							Not Applicable	Not Analyzed	
4014-CAB2-18							Not Applicable	Not Analyzed	
4014-CAB2-19	Cabin 2	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-20								None Detected	N/A
4014-CAB2-21								None Detected	N/A
4014-CAB2-22	Cabin 2	Interior	Shower Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-23								None Detected	N/A
4014-CAB2-24								None Detected	N/A
4014-CAB2-25	Cabin 2	Interior	Cementitious Shower Wall Panels	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-CAB2-26								None Detected*	N/A
4014-CAB2-27								None Detected*	N/A
4014-CAB2-28	Cabin 2	Exterior	Black Asphaltic Roofing Material	Poor	Misc.	Category I - Non-Friable	All	None Detected*	1600sq.ft
4014-CAB2-29							1st layer	3% Chrysotile*	
4014-CAB2-30							Not Applicable	Not Analyzed	

* Glass Fibers detected

Table 1
Asbestos Survey Results
Cabin 3

Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Building	Interior/ Exterior							
4014-CAB3-01	Cabin 3	Interior	12"x12" Vinyl Floor Tile w/mastic, Lt. Green	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-02								None Detected	N/A
4014-CAB3-03								None Detected	N/A
4014-CAB3-04	Cabin 3	Interior	Cementitious Flooring w/mastic, Brown	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-05								None Detected	N/A
4014-CAB3-06								None Detected	N/A
4014-CAB3-07	Cabin 3	Interior	Kitchen Sink Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-08								None Detected	N/A
4014-CAB3-09								None Detected	N/A
4014-CAB3-10	Cabin 3	Interior	Cementitious Wall Panels (Kitchen Back Splash)	Fair	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-11								None Detected	N/A
4014-CAB3-12								None Detected	N/A
4014-CAB3-13	Cabin 3	Interior	Drywall Wall	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-14								None Detected*	N/A
4014-CAB3-15								None Detected	N/A
4014-CAB3-16	Cabin 3	Interior	Ceramic Tiles w/grout (sink counters) - various colors	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-17								None Detected	N/A
4014-CAB3-18								None Detected	N/A
4014-CAB3-19	Cabin 3 (Roof)	Exterior	Black Asphaltic Roofing Material	Poor	Misc.	Category I - Non-Friable	1st layer	5% Chrysotile*	1560sq.ft
4014-CAB3-20							Not Applicable	Not Analyzed	
							Not Applicable	Not Analyzed	
4014-CAB3-21	Cabin 3	Exterior	Cementitious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-22							None Detected	N/A	
4014-CAB3-23							None Detected	N/A	
4014-CAB3-24								None Detected	N/A

* Glass Fibers detected

Table 1
Asbestos Survey Results
Cabin 4
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Building	Interior/Exterior							
4014-CAB4-01	Cabin 4	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-02								None Detected	N/A
4014-CAB4-03								None Detected	N/A
4014-CAB4-04	Cabin 4	Interior	Sheet Vinyl Flooring (SVF) Grey Bedroom #2	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-05								None Detected	N/A
4014-CAB4-06								None Detected	N/A
4014-CAB4-07	Cabin 4	Interior	Multi-Color Ceramic Floor Tiles w/mastic Bathroom	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-08								None Detected	N/A
4014-CAB4-09								None Detected	N/A
4014-CAB4-10	Cabin 4	Interior	Sink Caulking Bathroom	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-11								None Detected	N/A
4014-CAB4-12								None Detected	N/A
4014-CAB4-13	Cabin 4	Interior	Grey Flooring Panels Kitchen	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-14								None Detected	N/A
4014-CAB4-15								None Detected	N/A
4014-CAB4-16	Cabin 4	Interior	Door Caulking Throughout Cabin	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-17								None Detected	N/A
4014-CAB4-18								None Detected	N/A
4014-CAB4-19	Cabin 4	Interior	Window Caulking Throughout Cabin	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-20								None Detected	N/A
4014-CAB4-21								None Detected	N/A
4014-CAB4-22	Cabin 4 (roof)	Exterior	Black Asphaltic Roofing Material with fibrous materials and granules	Poor	Misc.	Category I - Non-Friable	1st layer	2% Chrysotile*	1300sq.ft
4014-CAB4-23							Not Analyzed	Not Analyzed	
4014-CAB4-24							Not Analyzed	Not Analyzed	
4014-CAB4-25	Cabin 4	Exterior	Cementitious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-26								None Detected	N/A
4014-CAB4-27								None Detected	N/A

* Glass Fibers detected

Table 1
Asbestos Survey Results
Cabin 5
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Building	Interior/Exterior							
4014-CAB5-01	Cabin 5	Interior	12"x12" Vinyl Floor Tile w/mastic, White w/Black Specks and under carpet	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-02								None Detected	N/A
4014-CAB5-03								None Detected	N/A
4014-CAB5-04								None Detected	N/A
4014-CAB5-05								None Detected	N/A
4014-CAB5-06								None Detected	N/A
4014-CAB5-07	Cabin 5	Interior	9"x 9" Vinyl Floor Tile, Black w/mastic under carpet	Poor	Misc.	Category I - Non-Friable	1st & 2nd layer	3% Chrysotile & 2% Chrysotile	360 sq.ft
4014-CAB5-08								Not Analyzed	
4014-CAB5-09								Not Analyzed	
4014-CAB5-10	Cabin 5	Interior	Drywall Walls	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-CAB5-11								None Detected*	N/A
4014-CAB5-12								None Detected	N/A
4014-CAB5-13	Cabin 5	Interior	Cementitious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-14								None Detected	N/A
4014-CAB5-15								None Detected	N/A
4014-CAB5-16	Cabin 5	Exterior	Cementitious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-17								None Detected	N/A
4014-CAB5-18								None Detected	N/A
4014-CAB5-19	Cabin 5	Exterior	Black Asphaltic Roofing Material	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-CAB5-20								None Detected	N/A
4014-CAB5-21								None Detected*	N/A

* Glass Fibers detected

Table 1
Asbestos Survey Results
Cabin 6 and 7
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Building	Interior/ Exterior							
4014-AB-01	Cabin 6 & 7	Interior	Drywall Walls	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-02								None Detected	N/A
4014-AB-03								None Detected*	N/A
4014-AB-04	Cabin 6 & 7	Interior	Grey Sink Undercoat	Fair	TSI	Friable	1st layer	5% Chrysotile	4 sq.ft
4014-AB-05							Not Applicable	Not Analyzed	
4014-AB-06	Cabin 6 & 7	Interior	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-07								None Detected	N/A
4014-AB-08								None Detected	N/A
4014-AB-09	Cabin 6 & 7	Interior	12" x 12" Vinyl Floor Tile (VFT) Lt. Blue Textured under Ceramic Floor Tile w/mastic	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-10								None Detected	N/A
4014-AB-11								None Detected	N/A
4014-AB-12	Cabin 6 & 7	Interior	12"x12" VFT Lt. Blue Textured w/mastic	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-13								None Detected	N/A
4014-AB-14								None Detected	N/A
4014-AB-15	Cabin 6 & 7	Interior	Bathroom - Sink Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-16								None Detected	N/A
4014-AB-17								None Detected	N/A
4014-AB-18	Cabin 6 & 7	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-19								None Detected	N/A
4014-AB-20								None Detected	N/A
4014-AB-21	Cabin 6 & 7	Interior	Sheet Vinyl Flooring (SVF) w/mastic, Blue	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-22								None Detected	N/A
4014-AB-23								None Detected	N/A
4014-AB-24	Cabin 6 & 7	Exterior	Black Asphaltic Roofing Material	Poor	Misc.	Category I - Non-Friable	1st layer	2% Chrysotile	1600 sq.ft
4014-AB-25							Not Applicable	Not Analyzed	
4014-AB-26	Cabin 6 & 7 (roof)	Interior	Cementitious Flooring w/mastic	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-27								None Detected	N/A
4014-AB-28								None Detected	N/A
4014-AB-29	Cabin 6 & 7	Interior						None Detected	N/A
4014-AB-30								None Detected	N/A

* Glass Fibers detected

Table 1
Asbestos Survey Results
Cabin 6 and 7
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Unit	Floor							
4014-AB-31	Cabin 6 & 7	Interior	Bathroom - Shower Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-32								None Detected	N/A
4014-AB-33								None Detected	N/A
4014-AB-34	Cabin 6 & 7	Interior	Multi-Color Ceramic Floor Tiles w/replacements	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-35								None Detected	N/A
4014-AB-36								None Detected	N/A

Table 1
Asbestos Survey Results
Office/Residence
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
	Building	Interior/ Exterior							
4014-Office-01	Security Residence (Office)	Interior	12"x12" Vinyl Floor Tile (VFT) w/Mastic, Checked Pattern White & Blue	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-02	Security Residence (Office)	Interior	Drywall - Walls & Ceiling	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-Office-03	Security Residence (Office)	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-04	Security Residence (Office)	Interior	Ceramic Tile w/grout on Kitchen Counter	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-05	Security Residence (Office)	Interior	12" x 12" VFT White w/Mastic	Poor	Misc.	Category I - Non-Friable	1st layer	3% Chrysotilte	150 sq.ft
4014-Office-06	Security Residence (Office)	Interior	Ceramic Tile w/grout on Restroom Sink Counter	Good	Misc.	Not Applicable	1st layer	2% Chrysotile	
4014-Office-07	Security Residence (Office)	Interior	Black Asphaltic Roofing Material	Good	Misc.	Not Applicable	1st layer	3% Chrysotilte	
4014-Office-08	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-09	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-10	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-11	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-12	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-13	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-14	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-15	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-16	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-17	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-18	Security Residence (Office)	Interior					All	None Detected	N/A
4014-Office-19	Security Residence (Office)	Interior					All	None Detected*	N/A
4014-Office-20	Security Residence (Office)	Interior					All	None Detected*	N/A
4014-Office-21	Security Residence (Office)	Interior					All	None Detected*	N/A

* Glass Fibers detected

Table 1
Asbestos Survey Results
Security House (Aron Tufaga's Residence)
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Est. Quantity
	Building	Interior/ Exterior							
4014-ASH-01	Kitchen	Interior	Multi-Color Ceramic Tile w/GROUT	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-02								None Detected	
4014-ASH-03								None Detected	
4014-ASH-04	Living Room	Interior	Drywall Walls	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-05								None Detected	
4014-ASH-06								None Detected	
4014-ASH-07	Bathroom Shower Stall	Interior	Pink & Blue Pattern Ceramic Tile w/GROUT	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-08								None Detected	
4014-ASH-09								None Detected	
4014-ASH-10	Throughout	Interior	Window Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-11								None Detected	
4014-ASH-12								None Detected	
4014-ASH-13	Throughout	Interior	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-14								None Detected	
4014-ASH-15								None Detected	
4014-ASH-16	Bathroom	Interior	Sink & Toilet Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-17								None Detected	
4014-ASH-18								None Detected	
4014-ASH-19	Kitchen	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-20								None Detected	
4014-ASH-21								None Detected	
4014-ASH-22	Kitchen	Interior	Black Sink Undercoat	Poor	TSI	Friable	1st Layer	3% Chrysofile	8 sq.ft.
4014-ASH-23								Not Analyzed	
4014-ASH-24								Not Analyzed	
4014-ASH-25	Roof	Exterior	Grey Asphalt Roofing Material	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-ASH-26								None Detected*	
4014-ASH-27								None Detected*	

Table 1
Asbestos Survey Results
Security House (Aron Tufaga's Residence)
Malaekahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Est. Quantity
	Building	Interior/ Exterior							
4014-ASH-28	Walls	Exterior	Cementitious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-29								None Detected	
4014-ASH-30								None Detected	
4014-ASH-31								None Detected	
4014-ASH-32	Storage 2	Int. & Ext	Window Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-33								None Detected	
4014-ASH-34	Storage 2	Int. & Ext	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-35								None Detected	
4014-ASH-36								None Detected	
4014-ASH-37								None Detected	
4014-ASH-38	Storage 2	Int. & Ext	Brown Fiber Walls	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-39								None Detected	

Table 1
Asbestos Survey Results
Caretakers' Residence (Craig Chapman's Residence)
Malakahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Est. Quantity
	Building	Interior/ Exterior							
4014-CCR-01	Entrance	Interior	12x12 Linoleum Brown Tiles	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-02								None Detected	
4014-CCR-03								None Detected	
4014-CCR-04	Bathroom#3	Interior	12x12 VFT White	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-05								None Detected	
4014-CCR-06								None Detected	
4014-CCR-07	Bathroom#2	Interior	6x6 Ceramic Tiles	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-08								None Detected	
4014-CCR-09								None Detected	
4014-CCR-10	Rr&Bdrm#1,Bdr m#2 & Rr&Bdrm#3	Interior	White Drywall Wall	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-11								None Detected	
4014-CCR-12								None Detected	
4014-CCR-13	Entrance,Bdrm#1, Rr&Bdrm#3,Half Bdrm#2	Interior	White Drywall Ceiling	Good	Misc.	Not Applicable	All	None Detected*	N/A
4014-CCR-14								None Detected	
4014-CCR-15								None Detected	
4014-CCR-16	Throughout	Interior	Window Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-17								None Detected	
4014-CCR-18								None Detected	
4014-CCR-19	Throughout	Interior	Door Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-20								None Detected	
4014-CCR-21								None Detected	
4014-CCR-22	Kitchen	Interior	Black Sink Undercoat	Good	TSI	Friable	Layer 1	4% Chrysotile	8 sq.ft.
4014-CCR-23								Not Analyzed	
4014-CCR-24								Not Analyzed	
4014-CCR-25	Kitchen	Interior	White Sink Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-26								None Detected	
4014-CCR-27								None Detected	
4014-CCR-28	Bathroom 1,2 & 3	Interior	Toilet & Sink Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-29								None Detected	
4014-CCR-30								None Detected	
4014-CCR-31	Bathroom #1	Interior	1x1 Beige Ceramic Tile	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-32								None Detected	

* Glass Fiber Detected

Table 1
Asbestos Survey Results
Caretakers' Residence (Craig Chapman's Residence)
Malaekahana Beach Park

Sample ID	Room	Location	Material	Condition	Remarks	Applicable	Test Results	Notes
4014-CCR-33							None Detected	
4014-CCR-34	Bedroom #1	Interior	Brown Linoleum w/12x12 Brown Speckled Marking	Good	Misc.	Not Applicable	None Detected*	N/A
4014-CCR-35							None Detected*	
4014-CCR-36							None Detected*	
4014-CCR-37							None Detected	
4014-CCR-38	Bedroom #1	Interior	24"x24" Ceramic Brown Tiles	Good	Misc.	Not Applicable	None Detected	N/A
4014-CCR-39							None Detected	
4014-CCR-40	Roof	Exterior	Red Roofing Material	Good	Misc.	Not Applicable	None Detected*	N/A
4014-CCR-41							None Detected*	
4014-CCR-42							None Detected*	
4014-CCR-43	Roof	Exterior	White Plastic over Roofing Material	Good	Misc.	Not Applicable	None Detected*	N/A
4014-CCR-44							None Detected*	
4014-CCR-45							None Detected*	
4014-CCR-46	Roof	Exterior	Brown & Black Pipe Penetration Sealant	Good	Misc.	Non-Friable I	5% Chrysotile	24 sq. ft.
4014-CCR-47							Not Analyzed	
4014-CCR-48							Not Analyzed	
4014-CCR-49	Walls	Exterior	Cementitious Wall Panel	Good	Misc.	Not Applicable	None Detected	N/A
4014-CCR-50							None Detected	
4014-CCR-51							None Detected	

* Glass Fiber Detected

Table 1
Asbestos Survey Results
Security Residence (Game Warden's Residence)
Malakahana Beach Park

Sample ID	Homogeneous Area		Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Est. Quantity
	Building	Interior/ Exterior							
4014-GWR-01	Game Warden Residence	Interior	12x12 VFT White Speckled	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-02								None Detected	
4014-GWR-03								None Detected	
4014-GWR-04	Game Warden Residence	Interior	Drywall Ceiling	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-05								None Detected	
4014-GWR-06								None Detected	
4014-GWR-07	Game Warden Residence	Interior	White Sink Undercoat	Poor	TSI	Friable	1st Layer	6% Chrysotile	4 sq.ft.
4014-GWR-08								Not Analyzed	
4014-GWR-09								Not Analyzed	
4014-GWR-10	Game Warden Residence	Interior	White Window Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-11								None Detected	
4014-GWR-12								None Detected	
4014-GWR-13	Game Warden Residence	Interior	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-14								None Detected	
4014-GWR-15								None Detected	
4014-GWR-16	Game Warden Residence	Interior	4x4 White Ceramic Tile	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-17								None Detected	
4014-GWR-18								None Detected	
4014-GWR-19	Game Warden Residence	Interior	12x12 VFT Beige	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-20								None Detected	
4014-GWR-21								None Detected	
4014-GWR-22	Game Warden Residence	Interior	Sink & Toilet Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-23								None Detected	
4014-GWR-24								None Detected	
4014-GWR-25	Game Warden Residence	Interior	Sliding Door Caulking	Poor	Misc.	Non-Friable I	1st Layer	3% Chrysotile	10 linear ft.
4014-GWR-26								Not Analyzed	
4014-GWR-27								Not Analyzed	
4014-GWR-28	Game Warden Residence	Exterior	Black Asphalt Roofing Material	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-29								None Detected	
4014-GWR-30								None Detected	
4014-GWR-31	Game Warden Residence	Interior	Kitchen Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-32								None Detected	
4014-GWR-33								None Detected	

Table 2
Lead Paint Results
Cabin 2
Malaekahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Color</i>	<i>Condition</i>	<i>Substrate</i>	<i>Reporting Limit (mg/kg)</i>	<i>Lead Conc. (mg/kg)</i>	<i>Estimated Quantity</i>
4014-CAB2-PB-01	Cabin 2	Interior/ Exterior	Throughout	Beige Paint	Poor	Wood, Canec	44.0	620.0	3250sq.ft
4014-CAB2-PB-02	Cabin 2	Interior	Walls, Doors, Trims	Grey Paint	Poor	Wood, Canec	47.0	<47.0	N/A
4014-CAB2-PB-03	Cabin 2	Exterior	Stairs, Doors and Beams	Red Paint	Poor	Wood	45.0	1600.0	120sq.ft
4014-CAB2-PB-04	Cabin 2	Exterior	Throughout	Aqua Paint	Poor	Wood	48.0	3000.0	150sq.ft
4014-CAB2-PB-05	Cabin 2	Exterior	Outside Deck	Beige Paint	Poor	Wood	46.0	250.0	145sq.ft

<#=# not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

Table 2
Lead Paint Results
Cabin 3
Malaekahana Beach Park

Sample ID	Area	Interior/ Exterior	Description	Color	Condition	Substrate	Reporting Limit (mg/kg)	Lead Conc. (mg/kg)	Estimated Quantity
4014-CAB3-PB-01	Cabin 3	Exterior	Beige Paint on Walls, Beams, Flooring, Stairs	Beige	Poor	Wood	48.0	<48.0	N/A
4014-CAB3-PB-02	Cabin 3	Exterior	Stairs, rails and various locations	White	Poor	Wood	46.0	<46.0	N/A
4014-CAB3-PB-03	Cabin 3	Interior	Throughout	Off White	Poor	Wood	48.0	570.0	4,250sq.ft

<#=# not detected above the Reporting Limit of #

Lead= Lead Base Paint or Lead Containing Paint

Table 2
Lead Paint Results
Cabin 4
Malaekahana Beach Park

Sample ID	Area	Interior/ Exterior	Description	Color	Condition	Substrate	Reporting Limit (mg/kg)	Lead Conc. (mg/kg)	Estimated Quantity
4014-CAB4-PB-01	Cabin 4	Interior	Grey Paint on Window Frames, Walls, Ceilings, Doors, Door Frame & Panels	Grey	Poor	Wood and Canec	45.0	<45.0	N/A
4014-CAB4-PB-02	Cabin 4	Interior/ Exterior	White Paint on Walls, Windows, Cabinets, Doors, Shelves, Ceiling, Beams	White	Poor	Wood and Canec	48.0	5900.0	4000sq.ft
4014-CAB4-PB-03	Cabin 4, Exterior - Lanai	Exterior	Brown Paint on Floors, Beams	Brown	Poor	Wood	46.0	7300.0	875sq.ft

< # = not detected above the Reporting Limit of #
Bold = Lead Based Paint or Lead Containing

Table 2
Lead Paint Results
Cabin 5
Malaekahana Beach Park

Sample ID	Area	Interior/ Exterior	Description	Color	Condition	Substrate	Reporting Limit (mg/kg)	Lead Conc. (mg/kg)	Estimated Quantity
4014-CAB5-PB-01	Cabin 5	Interior	Beige Paint, Throughout	Beige	Poor	Wood/Fiber Board	48.0	130.0	2100 sq. ft
4014-CAB5-PB-02	Cabin 5	Interior	Lt. Blue Paint in Kitchen	Lt. Blue	Poor	Wood	48.0	170.0	400 sq. ft
4014-CAB5-PB-03	Cabin 5	Interior	White Paint in Bedrooms and Restroom	White	Poor	Wood	48.0	630.0	1600 sq.ft
4014-CAB5-PB-04	Cabin 5	Interior	Brown Paint in Living Room	Brown	Poor	Wood	46.0	<46.0	N/A
4014-CAB5-PB-05	Cabin 5	Interior	Grey Paint on Trims	Grey	Poor	Wood	47.0	<47.0	N/A
4014-CAB5-PB-06	Cabin 5	Exterior	Brown Paint	Brown	Poor	Wood	47.0	9700.0	1100sq.ft
4014-CAB5-PB-07	Cabin 5	Exterior	Beige Paint on Walls, Beams, Trims & Door Frame	Beige	Poor	Wood	48.0	2000.0	700sq.ft
4014-CAB5-PB-08	Cabin 5	Exterior	Aqua Paint on Beams, Trims & Ceilings	Aqua	Poor	Wood	45.0	1100.0	150sq.ft

<#=# not detected above the Reporting Limit of #
Lead= Lead Base Paint or Lead Containing Paint

Table 2
Lead Paint Results
Cabin 6 and 7
Malaekahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Color</i>	<i>Condition</i>	<i>Substrate</i>	<i>Reporting Limit (mg/kg)</i>	<i>Lead Conc. (mg/kg)</i>	<i>Estimated Quantity</i>
4014-PB-01	Cabin 6 & 7	Exterior	Grey Paint on Walls, Beams, Ceiling, Door, Door Frames and Windows	Grey	Poor	Wood	45.0	2700.0	4250sq.ft
4014-PB-02	Cabin 6 & 7	Interior	White Paint on Walls, Cabinets, Ceilings & Shelves, Trims	Green	Poor	Wood & Drywall	50.0	<50.0	N/A
4014-PB-03	Cabin 6 & 7	Interior	Grey Paint on Beams, Floors, Ceilings & Railings	Lt. Blue	Poor	Wood & Drywall	47.0	<47.0	N/A
4014-PB-04	Cabin 6 & 7	Interior	White Paint on Walls, Trim, Beams, Door, Window Frames	White	Poor	Wood & Drywall	48.0	<48.0	N/A
4014-PB-05	Cabin 6 & 7	Interior	Brown Paint on Railings and Beams	Brown	Poor	Wood	52.0	<52.0	N/A

<#=# not detected above the Reporting Limit of #

Lead = Lead Base Paint or Lead Containing Paint

Table 2
Lead Paint Results
Office/Residence
Malakahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Color</i>	<i>Condition</i>	<i>Substrate</i>	<i>Reporting Limit (mg/kg)</i>	<i>Lead Conc. (mg/kg)</i>	<i>Estimated Quantity</i>
4014-Office-PB-01	Security Residence (Office)	Exterior	Green Paint on exterior walls, post, eaves, beams, trims	Green	Fair	Wood	51.0	<51.0	N/A
4014-Office-PB-02	Security Residence (Office)	Exterior	Beige Paint on exterior walls and ceiling under Lanai, eaves, trim	Beige	Poor	Wood	43.0	2800.0	1340 sq. ft
4014-Office-PB-03	Security Residence (Office)	Interior	White Paint on interior walls, beams, doors, windows, ceilings	White	Poor	Wood	51.0	<51.0	N/A
4014-Office-PB-04	Security Residence (Office)	Interior	Beige Paint on interior walls, beams, doors, windows, ceilings	Beige	Poor	Wood	47.0	990.0	2000 sq. ft
4014-Office-PB-05	Security Residence (Office)	Exterior	Lt. Blue Paint on exterior walls, beams, trims	Lt. Blue	Poor	Wood	52.0	750.0	650 sq. ft

< # = not detected above the Reporting Limit of #

Bold = Lead Based Paint or Lead Containing Paint

Table 2
Lead Paint Results
Security House (Aron Tufaga's Residence)
Malaekahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Color</i>	<i>Condition</i>	<i>Substrate</i>	<i>Reporting Limit (mg/kg)</i>	<i>Lead Conc. (mg/kg)</i>	<i>Estimated Quantity</i>
4014-PB-ASH-01	Aron Security House	Interior	White Paint on Walls, Ceilings, Beams, Doors & Window Frames	White	Poor	Wood	55.0	6000.0	2345 sq. ft
4014-PB-ASH-02	Aron Security House	Interior	Beige Paint on Walls	Beige	Poor	Wood	48.0	<48.0	N/A
4014-PB-ASH-03	Aron Security House	Interior	Blue Paint on Walls, Ceilings, Beams & Cabinets	Blue	Poor	Wood	89.0	<89.0	N/A
4014-PB-ASH-04	Aron Security House	Exterior	White Paint on Walls & Window Frames	White	Poor	Wood	66.0	<66.0	N/A
4014-PB-ASH-05	Aron Security House	Exterior	Grey Paint on Walls, Door & Beams	Grey	Poor	Wood	40.0	7700.0	2345 sq. ft
4014-PB-ASH-06	Aron Security House	Exterior	Pink Paint on Walls	Pink	Poor	Wood	75.0	<75.0	N/A
4014-PB-ASH-07	Aron Security House-Storage 1	Interior	White Paint on Ceilings & Beams	White	Poor	Wood	77.0	<77.0	N/A
4014-PB-ASH-08	Aron Security House-Storage 1	Exterior	Pink Paint on Walls	Pink	Poor	Wood	69.0	<69.0	N/A
4014-PB-ASH-09	Aron Security House-Storage 2	Interior	Pink Paint of Ceiling	Pink	Poor	Metal	100.0	100.0	120 sq.ft
4014-PB-ASH-10	Aron Security House-Storage 2	Interior	White Paint on Walls & Window Frames	White	Poor	Wood	80.0	<80.0	N/A
4014-PB-ASH-11	Aron Security House-Storage 2	Exterior	Pink Paint on Walls	Pink	Poor	Wood	95.0	<95.0	N/A

<# = not detected above the Reporting Limit of #
Bold=Lead Base Paint or Lead Containing Paint

Table 2
Lead Paint Results
Caretaker's Residence (Craig Chapman's Residence)
Malaekahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Color</i>	<i>Condition</i>	<i>Substrate</i>	<i>Reporting Limit (mg/kg)</i>	<i>Lead Conc. (mg/kg)</i>	<i>Estimated Quantity</i>
4014-PB-CCR-01	Caretaker's House Throughout	Interior	White Paint on Walls, Cabinets, Door, Beams, Door & Window Frame	White	Good	Wood	110.0	260.0	5240 sq.ft
4014-PB-CCR-02	Caretaker's House Office	Interior	Light Blue Paint on Walls, Door & Window Frame	Light Blue	Good	Wood & Drywall	67.0	<67.0	N/A
4014-PB-CCR-03	Caretaker's House Enclosed Lanai	Interior	Red Paint on Floor	Red	Good	Wood	41.0	<41.0	N/A
4014-PB-CCR-04	Caretaker's House Enclosed Lanai	Interior	Yellow Paint on Walls & Beams	Yellow	Good	Wood	89.0	<89.0	N/A
4014-PB-CCR-05	Caretaker's House Bedroom #1	Interior	Light Green Paint on Walls, Beams & Ceilings	Light Green	Good	Drywall	41.0	<41.0	N/A
4014-PB-CCR-06	Caretaker's House Bathroom #3	Interior	Beige Paint on Walls	Beige	Good	Wood	80.0	80.0	1050 sq.ft
4014-PB-CCR-07	Caretaker's House	Exterior	White Paint on Floor, Beams, Door, Ceilings & Railings	White	Good	Wood	110.0	<110.0	N/A
4014-PB-CCR-08	Caretaker's House	Exterior	Beige/Yellow Paint on Walls & Beams	Beige/Yellow	Good	Wood	56.0	<56.0	N/A
4014-PB-CCR-09	Caretaker's House	Exterior	Beige/Yellow Paint on Pipes & Junction Box	Beige/Yellow	Good	Metal	57.0	1700.0	400 sq.ft

<#=# not detected above the Reporting Limit of #
Bold=Lead Base Paint or Lead Containing Paint

Table 2
Lead Paint Results
Security Residence (Game Warden's Residence)
Malaekahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Color</i>	<i>Condition</i>	<i>Substrate</i>	<i>Reporting Limit(mg/kg)</i>	<i>PbConc. (mg/kg)</i>	<i>Estimated Quantity</i>
4014-PB-GWR-01	Security Residence Throughout	Interior	White Paint on Walls, Door, Ceiling, Door & Window Frame	White	Poor	Wood	120.0	520.0	2510 sq. ft
4014-PB-GWR-02	Security Residence Bedroom#3	Interior	Pink Paint on Walls	Pink	Poor	Drywall	82.0	<82.0	N/A
4014-PB-GWR-03	Security Residence Throughout	Interior	White Paint on Ceilings	White	Poor	Drywall	51.0	51.0	2310 sq.ft
4014-PB-GWR-04	Security Residence Throughout	Exterior	Lt.Blue Paint on Walls, Beams, Ceiling & Door	Lt.Blue	Poor	Wood	100.0	<100.0	N/A
4014-PB-GWR-05	Security Residence Throughout	Exterior	Dark Blue Paint on Walls, Window Frame & Beams	Dark Blue	Poor	Wood	42.0	410.0	3500 sq.ft

<#=# not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

Table 3
Arsenic Sample Results
Cabins 2-7
Malackahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Reporting Limit (mg/kg)</i>	<i>Arsenic (mg/kg)</i>	<i>Estimated Quantity</i>
4014-Ars-CAB2-01	Cabin 2	Interior	Brown Fibrous Ceiling Material	17.0	1500.0	1500 sq.ft
4014-Ars-CAB4-02	Cabin 4	Interior	Brown Fibrous Ceiling Material	18	<18.0	N/A
4014-Ars-CAB2-03	Cabin 5	Interior	Brown Fibrous Ceiling Material	16	<16.0	N/A
4014-Ars-CAB2-04	Cabin 6 & 7	Interior	Brown Fibrous Ceiling Material	17.0	2100.0	2000 sq.ft

<# not detected above the Reporting Limit of #
Bold = detectable levels of arsenic

Table 3
Arsenic Sample Results
Caretakers' Residence (Craig Chapman's Residence)
Malackahana Beach Park

<i>Sample ID</i>	<i>Area</i>	<i>Interior/ Exterior</i>	<i>Description</i>	<i>Reporting Limit (mg/kg)</i>	<i>Arsenic (mg/kg)</i>
4014-ARS-CCR-01	Ceiling	Interior	Brown Fibrous Material	15.0	<15.0

Appendix **II**

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

May 9, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307403.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', written over a white oval background.

Nick Ly, Technical Director

1.888.NVL.LABS
1.888.(585.5227)
www.nvllabs.com

Enc.: Sample Results



Lab Code: 102083-0

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc



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www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 30

Samples Analyzed: 23

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Lab ID: 13069749 Client Sample #: 4014-CAB2-01

Location: Malaekahana Beach Park

Layer 1 of 2 Description: Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder, Fine grains	None Detected ND	None Detected ND

Layer 2 of 2 Description: Grey brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Cement/Binder, Fine grains	Cellulose 2%	None Detected ND

Lab ID: 13069750 Client Sample #: 4014-CAB2-02

Location: Malaekahana Beach Park

Layer 1 of 2 Description: Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder, Fine grains	None Detected ND	None Detected ND

Layer 2 of 2 Description: Grey brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Cement/Binder, Fine grains	Synthetic fibers 3%	None Detected ND

Lab ID: 13069751 Client Sample #: 4014-CAB2-03

Location: Malaekahana Beach Park

Layer 1 of 2 Description: Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder, Fine grains	None Detected ND	None Detected ND

Layer 2 of 2 Description: Grey brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Cement/Binder, Fine grains	None Detected ND	None Detected ND

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/09/2013

Date: 05/09/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabln 2

Lab ID: 13069752 Client Sample #: 4014-CAB2-04

Location: Malaekahana Beach Park

Comments: No black streaked tile present

Layer 1 of 2 Description: Black & white speckled vinyl

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Vinyl/Binder

None Detected ND

None Detected ND

Layer 2 of 2 Description: Crumbly yellow mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Mastic/Binder, Miscellaneous particles, Organic debris

Cellulose 2%

None Detected ND

Lab ID: 13069753 Client Sample #: 4014-CAB2-05

Location: Malaekahana Beach Park

Comments: No black streaked tile present

Layer 1 of 2 Description: Black & white speckled vinyl

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Vinyl/Binder

None Detected ND

None Detected ND

Layer 2 of 2 Description: Trace yellow crumbly mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Mastic/Binder

None Detected ND

None Detected ND

Lab ID: 13069754 Client Sample #: 4014-CAB2-06

Location: Malaekahana Beach Park

Comments: Unsure of correct layer sequence

Layer 1 of 3 Description: Black & white speckled vinyl

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Vinyl/Binder

None Detected ND

None Detected ND

Layer 2 of 3 Description: Black streaked vinyl tile

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Vinyl/Binder, Mineral grains

None Detected ND

Chrysotile 4%

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/09/2013

Date: 05/09/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 30

Samples Analyzed: 23

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Layer 3 of 3	Description: Brittle yellow mastic	Non-Fibrous Materials: Mastic/Binder	Other Fibrous Materials:% Cellulose <1%	Asbestos Type: % None Detected ND
---------------------	---	---	--	--

Lab ID: 13069755 **Client Sample #: 4014-CAB2-07**

Location: Malaekahana Beach Park

Layer 1 of 3	Description: Off-white vinyl tile	Non-Fibrous Materials: Vinyl/Binder, Mineral grains	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
---------------------	--	--	---	--

Layer 2 of 3	Description: Brittle yellow mastic with off-white paint	Non-Fibrous Materials: Paint, Mastic/Binder, Miscellaneous particles	Other Fibrous Materials:% Cellulose <1%	Asbestos Type: % None Detected ND
---------------------	--	---	--	--

Layer 3 of 3	Description: Black vinyl tile	Non-Fibrous Materials: Vinyl/Binder, Mineral grains	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 5%
---------------------	--------------------------------------	--	---	---

Lab ID: 13069756 **Client Sample #: 4014-CAB2-08** **Sample Status: Not Analyzed**

Lab ID: 13069757 **Client Sample #: 4014-CAB2-09** **Sample Status: Not Analyzed**

Lab ID: 13069758 **Client Sample #: 4014-CAB2-10**

Location: Malaekahana Beach Park

Layer 1 of 1	Description: Black vinyl tile with tan patterned vinyl covering	Non-Fibrous Materials: Vinyl/Binder, Mineral grains	Other Fibrous Materials:% Synthetic fibers 3%	Asbestos Type: % None Detected ND
---------------------	--	--	--	--

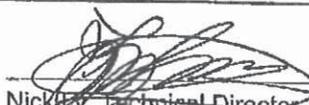
Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/09/2013

Date: 05/09/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Lab ID: 13069759 Client Sample #: 4014-CAB2-11

Location: Malaekahana Beach Park

Layer 1 of 2 Description: Black vinyl tile with tan patterned vinyl covering

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Synthetic fibers <1%	None Detected ND

Layer 2 of 2 Description: Soft clear sticky adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Adhesive/Binder, Miscellaneous particles, Organic debris	Cellulose 2%	None Detected ND

Lab ID: 13069760 Client Sample #: 4014-CAB2-12

Location: Malaekahana Beach Park

Layer 1 of 2 Description: Black vinyl tile with tan patterned vinyl covering

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Synthetic fibers 2%	None Detected ND

Layer 2 of 2 Description: Soft clear sticky adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Adhesive/Binder, Miscellaneous particles, Organic debris	Cellulose 5%	None Detected ND
Fine particles		

Lab ID: 13069761 Client Sample #: 4014-CAB2-13

Location: Malaekahana Beach Park

Layer 1 of 1 Description: White crumbly material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous binder, Fine particles	Cellulose <1%	Amosite 22%

Chrysotile 8%

Lab ID: 13069762 Client Sample #: 4014-CAB2-14

Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/09/2013

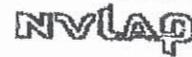
Date: 05/09/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Lab ID: 13069763	Client Sample #: 4014-CAB2-15	Sample Status:	Not Analyzed
------------------	-------------------------------	----------------	--------------

Lab ID: 13069764	Client Sample #: 4014-CAB2-16		
Location: Malaekahana Beach Park			
Layer 1 of 1	Description: White brittle material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Encapsulant/Binder, Paint, Fine particles	Cellulose 2%	Chrysotile 3%

Lab ID: 13069765	Client Sample #: 4014-CAB2-17	Sample Status:	Not Analyzed
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Lab ID: 13069766	Client Sample #: 4014-CAB2-18	Sample Status:	Not Analyzed
------------------	-------------------------------	----------------	--------------

Lab ID: 13069767	Client Sample #: 4014-CAB2-19		
Location: Malaekahana Beach Park			
Layer 1 of 1	Description: Tacky white rubbery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Encapsulant/Binder, Paint, Fine particles	Cellulose <1%	None Detected ND

Lab ID: 13069768	Client Sample #: 4014-CAB2-20		
Location: Malaekahana Beach Park			
Layer 1 of 1	Description: Tacky white rubbery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Encapsulant/Binder, Paint	None Detected ND	None Detected ND

Lab ID: 13069769	Client Sample #: 4014-CAB2-21		
Location: Malaekahana Beach Park			

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/09/2013

Date: 05/09/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-4-82-020. Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Layer 1 of 1	Description: Tacky white rubbery material with paint	Non-Fibrous Materials: Encapsulant/Binder, Paint	Other Fibrous Materials: % Cellulose 2%	Asbestos Type: % None Detected ND
--------------	--	---	--	--

Lab ID: 13069770 Client Sample #: 4014-CAB2-22

Location: Malaekahana Beach Park

Layer 1 of 1	Description: Soft white rubbery material with paint	Non-Fibrous Materials: Encapsulant/Binder, Paint	Other Fibrous Materials: % None Detected ND	Asbestos Type: % None Detected ND
--------------	---	---	--	--

Lab ID: 13069771 Client Sample #: 4014-CAB2-23

Location: Malaekahana Beach Park

Layer 1 of 1	Description: Soft white rubbery material with paint	Non-Fibrous Materials: Paint, Encapsulant/Binder	Other Fibrous Materials: % None Detected ND	Asbestos Type: % None Detected ND
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Lab ID: 13069772 Client Sample #: 4014-CAB2-24

Location: Malaekahana Beach Park

Layer 1 of 1	Description: Tacky white rubbery material with paint	Non-Fibrous Materials: Encapsulant/Binder, Paint	Other Fibrous Materials: % Cellulose <1%	Asbestos Type: % None Detected ND
--------------	--	---	---	--

Lab ID: 13069773 Client Sample #: 4014-CAB2-25

Location: Malaekahana Beach Park

Layer 1 of 1	Description: White brittle material	Non-Fibrous Materials: Binder/Filler, Rust	Other Fibrous Materials: % Glass fibers 25%	Asbestos Type: % None Detected ND
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Lab ID: 13069774 Client Sample #: 4014-CAB2-26

Location: Malaekahana Beach Park

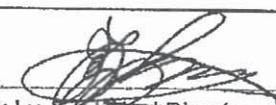
Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

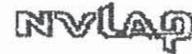
Date: 05/09/2013

Date: 05/09/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Layer 1 of 1	Description: White brittle material	Non-Fibrous Materials: Binder/Filler, Rust	Other Fibrous Materials:% Glass fibers 20%	Asbestos Type: % None Detected ND
--------------	-------------------------------------	---	---	--------------------------------------

Lab ID: 13069775 Client Sample #: 4014-CAB2-27
Location: Malaekahana Beach Park

Layer 1 of 1	Description: White brittle material	Non-Fibrous Materials: Binder/Filler	Other Fibrous Materials:% Glass fibers 30%	Asbestos Type: % None Detected ND
--------------	-------------------------------------	---	---	--------------------------------------

Lab ID: 13069776 Client Sample #: 4014-CAB2-28
Location: Malaekahana Beach Park

Layer 1 of 1	Description: Black asphaltic material with granules & paint	Non-Fibrous Materials: Asphalt/Binder, Paint, Granules	Other Fibrous Materials:% Glass fibers 35%	Asbestos Type: % None Detected ND
--------------	---	---	---	--------------------------------------

Lab ID: 13069777 Client Sample #: 4014-CAB2-29
Location: Malaekahana Beach Park-Cabin 2

Comments: Unsure of correct layer sequence

Layer 1 of 2	Description: Black asphaltic built-up material with granules & paint	Non-Fibrous Materials: Paint, Granules, Asphalt/Binder	Other Fibrous Materials:% Glass fibers 25% Cellulose <1%	Asbestos Type: % Chrysotile 3%
--------------	--	---	--	-----------------------------------

Layer 2 of 2	Description: Black asphaltic material with granules	Non-Fibrous Materials: Asphalt/Binder, Granules	Other Fibrous Materials:% Glass fibers 35%	Asbestos Type: % None Detected ND
--------------	---	--	---	--------------------------------------

Lab ID: 13069778 Client Sample #: 4014-CAB2-30 Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/09/2013

Date: 05/09/2013


Nick Ly, Technical Director

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 4708 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emerg. Cell. 206.914.4643
 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY
 SAMPLE LOG**

165 FAX 318

**NVL Batch ID
 1307403**

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malaekahana Beach Park
Cabin 2

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 30
 Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@gotoetc.com
 Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4455

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (pp)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2				
3			<i>* Please See Attached</i>	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	<i>ETL</i>	<i>4/30/13</i>	
Relinquished by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	<i>ETL</i>	<i>5/1/13</i>	<i>1029</i>
Received by	<i>Mark Raymond</i>	<i>Mark Raymond</i>	<i>NVL</i>	<i>5/6/13</i>	<i>1045</i>
Analyzed by	<i>MATT W</i>	<i>MATT W</i>	<i>NVL</i>	<i>5/9/13</i>	<i>0930</i>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop at first positive

NVL Batch ID
1307403

Sample No.	Sample Location	Material Description
4014-CAB2-01	Throughout	Ceramic Floor Tile w/grout - various colors
4014-CAB2-02		
4014-CAB2-03		
4014-CAB2-04		
4014-CAB2-05	Bedroom #1	12"x12"VFT w/mastic, Black & White checkered pattern with replacement tiles
4014-CAB2-06		
4014-CAB2-07		
4014-CAB2-08	Bedroom #2	12"x12"VFT w/mastic, White with replacement tiles
4014-CAB2-09		
4014-CAB2-10		
4014-CAB2-11	Living Room	Sheet Vinyling Flooring w/mastic, Grey
4014-CAB2-12		
4014-CAB2-13		
4014-CAB2-14	Living Room	Drywall Walls
4014-CAB2-15		
4014-CAB2-16		
4014-CAB2-17	Restrooms	Sink Counter Caulking
4014-CAB2-18		
4014-CAB2-19		
4014-CAB2-20	Kitchen	Kitchen Counter Caulking
4014-CAB2-21		
4014-CAB2-22		
4014-CAB2-23	Restrooms	Shower Caulking
4014-CAB2-24		
4014-CAB2-25	Restrooms	Cementious Shower Wall Panels
4014-CAB2-26		
4014-CAB2-27		
4014-CAB2-28	Exterior Roof	Black Asphaltic Roofing Material
4014-CAB2-29		
4014-CAB2-30		

May 8, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307405.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly", enclosed in a hand-drawn oval.

Nick Ly, Technical Director

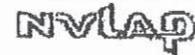
1.888.NVL.LABS
1.888.6885 (x227)
www.nvllabs.com

Enc.: Sample Results



Lab Code: 102063-0

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p 206.547.0100 | f 206.634.1936

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814**Batch #: 1307405.00**

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 24

Samples Analyzed: 22

Method: EPA/600/R-93/116
& EPA/600/M-4-82-020**Attention: Ms. Vel Roberts**

Project Location: Malaekahana Beach Park-Cabin 3

Lab ID: 13069784 Client Sample #: 4014-CAB3-01

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2	Description: Grey patterned vinyl tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Vinyl/Binder, Mineral grains	None Detected ND	None Detected ND
Layer 2 of 2	Description: Soft clear sticky adhesive	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Adhesive/Binder	None Detected ND	None Detected ND

Lab ID: 13069785 Client Sample #: 4014-CAB3-02

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2	Description: Grey vinyl tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Vinyl/Binder, Mineral grains	None Detected ND	None Detected ND
Layer 2 of 2	Description: Clear brittle mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Mastic/Binder, Miscellaneous particles, Fine particles	Cellulose 6%	None Detected ND

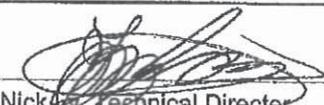
Lab ID: 13069786 Client Sample #: 4014-CAB3-03

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2	Description: Grey vinyl tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Vinyl/Binder, Mineral grains	None Detected ND	None Detected ND
Layer 2 of 2	Description: Brittle yellow mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Mastic/Binder, Miscellaneous particles	Cellulose 3%	None Detected ND

Lab ID: 13069787 Client Sample #: 4014-CAB3-04

Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client**Analyzed by:** Matt Macfarlane**Date:** 05/08/2013**Reviewed by:** Nick Ly**Date:** 05/08/2013

 Nick Ly, Technical Director

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307405.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 24

Samples Analyzed: 22

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Light brown/tan brittle material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Binder/Filler, Mineral grains	None Detected ND	None Detected ND

Lab ID: 13069783 Client Sample #: 4014-CAB3-05
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white/brown brittle material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Binder/Filler, Mineral grains, Fine grains	None Detected ND	None Detected ND

Lab ID: 13069789 Client Sample #: 4014-CAB3-06
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white/brown brittle material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Binder/Filler, Mineral grains	None Detected ND	None Detected ND

Lab ID: 13069790 Client Sample #: 4014-CAB3-07
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white soft rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Rubber/Binder, Miscellaneous particles	Cellulose <1%	None Detected ND

Lab ID: 13069791 Client Sample #: 4014-CAB3-08
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Soft off-white rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Rubber/Binder, Miscellaneous particles, Fine particles	Cellulose <1%	None Detected ND
	Synthetic fibers <1%	

Lab ID: 13069792 Client Sample #: 4014-CAB3-09
Location: Malaekahana Beach Park-Cabin 3

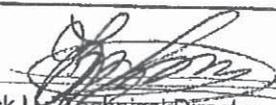
Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/08/2013

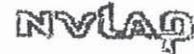
Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Honolulu, HI 96814

Batch #: 1307405.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 24

Samples Analyzed: 22

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Soft off-white rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Rubber/Binder, Fine particles	Cellulose 2%		None Detected ND

Lab ID: 13069793 **Client Sample #: 4014-CAB3-10**

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: White brittle material with clear fibers			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine particles	Glass fibers 30%		None Detected ND

Lab ID: 13069794 **Client Sample #: 4014-CAB3-11**

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: White brittle material with clear fibers			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler	Glass fibers 31%		None Detected ND
		Synthetic fibers 4%		

Lab ID: 13069795 **Client Sample #: 4014-CAB3-12**

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: White brittle material with clear fibers			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler	Glass fibers 25%		None Detected ND

Lab ID: 13069796 **Client Sample #: 4014-CAB3-13**

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Off-white chalky material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine particles	Glass fibers 5%		None Detected ND

Lab ID: 13069797 **Client Sample #: 4014-CAB3-14**

Location: Malaekahana Beach Park-Cabin 3

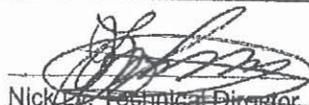
Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307405.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 24

Samples Analyzed: 22

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Off-white chalky material with paper & paint			
		Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder, Paint, Calcareous particles	Cellulose 16%	None Detected ND
			Glass fibers 4%	

Lab ID: 13069798 Client Sample #: 4014-CAB3-15

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Off-white compacted powdery material with paper & paint			
		Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Paint	Cellulose 20%	None Detected ND

Lab ID: 13069799 Client Sample #: 4014-CAB3-16

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2	Description: Red brittle material with off-white glaze			
		Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder, Fine grains	None Detected ND	None Detected ND
Layer 2 of 2	Description: Off-white brittle cementitious material			
		Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Cement/Binder, Fine grains, Miscellaneous particles	Cellulose <1%	None Detected ND

Lab ID: 13069800 Client Sample #: 4014-CAB3-17

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Red brittle material with off-white glaze			
		Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder, Fine grains	None Detected ND	None Detected ND

Lab ID: 13069801 Client Sample #: 4014-CAB3-18

Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

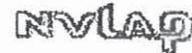
Date: 05/08/2013

Date: 05/08/2013

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307405.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Maiaekahana Beach Park-Cabin 3

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	Red brittle material with pink glaze	Ceramic/Binder, Fine grains	None Detected ND	None Detected ND
Layer 2 of 2	Trace off-white crumbly material	Binder/Filler, Fine grains, Miscellaneous particles	Cellulose <1%	None Detected ND

Lab ID: 13069802 Client Sample #: 4014-CAB3-19

Location: Malaekahana Beach Park-Cabin 3

Comments: Unsure of correct layer sequence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	Black asphaltic built-up material with granules	Asphalt/Binder, Granules, Miscellaneous particles	Glass fibers 30%	Chrysotile 5%
Layer 2 of 2	Black asphaltic material with granules	Asphalt/Binder, Granules	Glass fibers 25%	None Detected ND

Lab ID: 13069803 Client Sample #: 4014-CAB3-20 Sample Status: Not Analyzed

Lab ID: 13069804 Client Sample #: 4014-CAB3-21 Sample Status: Not Analyzed

Lab ID: 13069805 Client Sample #: 4014-CAB3-22

Location: Malaekahana Beach Park-Cabin 3

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 1	White tacky rubbery material with paint	Encapsulant/Binder, Paint, Miscellaneous particles	Cellulose 10%	None Detected ND

Lab ID: 13069806 Client Sample #: 4014-CAB3-23

Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013

Nick Ly, Technical Director

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Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Val Roberts

Project Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Grey compressed fibrous material with paint	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Paint, Binder/Filler, Miscellaneous particles	Cellulose 80%	None Detected ND

Lab ID: 13069807 Client Sample #: 4014-CAB3-24

Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1	Description: Grey compressed fibrous material with paint	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Binder/Filler, Paint, Calcareous particles	Cellulose 85%	None Detected ND

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013

Nick Ly Technical Director

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CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307405

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malaeakaha Beach Park
Cabin 3

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 24
 Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days

Phone: (808) 839-7222 Fax: (808) 839-4455

Email address vel@gotoetc.com
 Cell (808) 384-9590

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Vel Roberts</u>	<u>[Signature]</u>	<u>ETL</u>	<u>4/30/13</u>	
Relinquished by	<u>Vel Roberts</u>	<u>[Signature]</u>	<u>ETL</u>	<u>5/1/13</u>	<u>10:53</u>
Received by	<u>Max Raymond</u>	<u>[Signature]</u>	<u>NVL</u>	<u>5/6/13</u>	<u>1045</u>
Analyzed by	<u>WAT/IN</u>	<u>[Signature]</u>	<u>NVL</u>	<u>5/8/13</u>	<u>1120</u>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop at First Positive

NVL Batch ID
1307405

Sample No.	Sample Location	Material Description
4014-CAB3-01	Kitchen/Living Room	12"x12" VFT w/mastic, Green
4014-CAB3-02		
4014-CAB3-03		
4014-CAB3-04	Hallway	Cementious Flooring w/mastic, Brown
4014-CAB3-05		
4014-CAB3-06		
4014-CAB3-07	Kitchen	Kitchen Sink Caulking
4014-CAB3-08		
4014-CAB3-09		
4014-CAB3-10	Kitchen	Cementious Wall Panels
4014-CAB3-11		
4014-CAB3-12		
4014-CAB3-13	Living Room	Drywall Wall
4014-CAB3-14		
4014-CAB3-15		
4014-CAB3-16	Kitchen/Restroom	Ceramic Counter Tiles w/grout, various colors
4014-CAB3-17		
4014-CAB3-18		
4014-CAB3-19	Roof	Black Asphaltic Roofing Material
4014-CAB3-20		
4014-CAB3-21		
4014-CAB3-22	Exterior	Cementious Wall Panels
4014-CAB3-23		
4014-CAB3-24		

May 8, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307407.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', written over a circular scribble.

Nick Ly, Technical Director

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results



Lab Code: 102063-0

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc



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Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307407.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 4

Lab ID: 13069811 Client Sample #: 4014-CAB4-01

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Binder/Filler	Cellulose 2%	None Detected ND
	Spider silk 1%	

Lab ID: 13069812 Client Sample #: 4014-CAB4-02

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Binder/Filler	Cellulose 3%	None Detected ND

Lab ID: 13069813 Client Sample #: 4014-CAB4-03

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Binder/Filler	Cellulose 4%	None Detected ND

Lab ID: 13069814 Client Sample #: 4014-CAB4-04

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 Description: Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder	Cellulose 2%	None Detected ND

Layer 2 of 2 Description: Clear soft mastic with granule

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder, Granules	Cellulose 4%	None Detected ND
	Synthetic fibers 3%	

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 4

Lab ID: 13069815 Client Sample #: 4014-CAB4-05

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 Description: Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder	Cellulose 3%	None Detected ND

Layer 2 of 2 Description: Clear soft mastic with granule & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder, Granules, Paint	Cellulose 5%	None Detected ND

Lab ID: 13069816 Client Sample #: 4014-CAB4-06

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 Description: Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder	Cellulose 2%	None Detected ND

Layer 2 of 2 Description: Clear soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Synthetic fibers 5%	None Detected ND
	Cellulose 2%	

Lab ID: 13069817 Client Sample #: 4014-CAB4-07

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 Description: Multi-colored ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Layer 2 of 2 Description: Gray sandy/brittle material with trace mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Sand, Mastic/Binder	Cellulose 4%	None Detected ND

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 4

Lab ID: 13069818 Client Sample #: 4014-CAB4-08

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2	Description: Multi-colored ceramic tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 2	Description: Gray sandy/brittle material with mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler, Sand, Mastic/Binder	Cellulose 4%	None Detected ND

Lab ID: 13069819 Client Sample #: 4014-CAB4-09

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2	Description: Multi-color ceramic tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 2	Description: Gray sandy/brittle material with mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler, Sand, Mastic/Binder	Cellulose 2%	None Detected ND
			Synthetic fibers 1%	

Lab ID: 13069820 Client Sample #: 4014-CAB4-10

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: White soft/elastic material with granule	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Caulking compound, Granules	Cellulose 4%	None Detected ND
			Synthetic fibers 1%	

Lab ID: 13069821 Client Sample #: 4014-CAB4-11

Location: Malaekahana Beach Park-Cabin 4

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer 1 of 1	Description: Off-white soft/elastic material with granule	Non-Fibrous Materials: Caulking compound, Granules	Other Fibrous Materials:% Cellulose 5%	Asbestos Type: % None Detected ND
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Lab ID: 13069822 Client Sample #: 4014-CAB4-12

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: Off-white soft/elastic material with granule	Non-Fibrous Materials: Caulking compound, Granules	Other Fibrous Materials:% Cellulose 3% Synthetic fibers 1%	Asbestos Type: % None Detected ND
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Lab ID: 13069823 Client Sample #: 4014-CAB4-13

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: Gray fibrous material with paint	Non-Fibrous Materials: Binder/Filler, Paint	Other Fibrous Materials:% Cellulose 69%	Asbestos Type: % None Detected ND
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Lab ID: 13069824 Client Sample #: 4014-CAB4-14

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: Gray fibrous material with paint	Non-Fibrous Materials: Binder/Filler, Paint	Other Fibrous Materials:% Cellulose 70%	Asbestos Type: % None Detected ND
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Lab ID: 13069825 Client Sample #: 4014-CAB4-15

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: Gray fibrous material with paint	Non-Fibrous Materials: Binder/Filler, Paint	Other Fibrous Materials:% Cellulose 68%	Asbestos Type: % None Detected ND
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Lab ID: 13069826 Client Sample #: 4014-CAB4-16

Location: Malaekahana Beach Park-Cabin 4

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

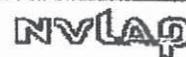
Date: 05/08/2013

Date: 05/08/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer 1 of 1	Description: White soft/elastic material with paint	Non-Fibrous Materials: Caulking compound, Paint	Other Fibrous Materials:% Cellulose 3% Synthetic fibers 2%	Asbestos Type: % None Detected ND
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Lab ID: 13069827 Client Sample #: 4014-CAB4-17
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: White soft/elastic material with paint	Non-Fibrous Materials: Caulking compound, Paint	Other Fibrous Materials:% Cellulose 4% Synthetic fibers 3%	Asbestos Type: % None Detected ND
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Lab ID: 13069828 Client Sample #: 4014-CAB4-18
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: White soft/elastic material with paint	Non-Fibrous Materials: Caulking compound, Paint	Other Fibrous Materials:% Cellulose 3% Synthetic fibers 1%	Asbestos Type: % None Detected ND
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Lab ID: 13069829 Client Sample #: 4014-CAB4-19
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: White soft/elastic material with paint	Non-Fibrous Materials: Caulking compound, Paint, Fine grains	Other Fibrous Materials:% Cellulose 4%	Asbestos Type: % None Detected ND
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Lab ID: 13069830 Client Sample #: 4014-CAB4-20
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1	Description: White soft/elastic material with paint	Non-Fibrous Materials: Caulking compound, Paint, Fine grains	Other Fibrous Materials:% Cellulose 6%	Asbestos Type: % None Detected ND
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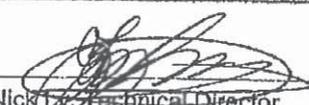
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020**Lab ID: 13069831 Client Sample #: 4014-CAB4-21**

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Paint, Fine grains	Cellulose 5%	None Detected ND

Lab ID: 13069832 Client Sample #: 4014-CAB4-22

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Black asphaltic material with fibrous material & granules

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Asphalt/Binder, Binder/Filler, Granules	Synthetic fibers 16%	Chrysotile 2%
	Glass fibers 10%	

Lab ID: 13069833 Client Sample #: 4014-CAB4-23

Sample Status: Not Analyzed

Lab ID: 13069834 Client Sample #: 4014-CAB4-24

Sample Status: Not Analyzed

Lab ID: 13069835 Client Sample #: 4014-CAB4-25

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Gray cementitious/fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Cement/Binder, Binder/Filler	Cellulose 72%	None Detected ND

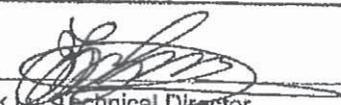
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 4

Lab ID: 13069836 Client Sample #: 4014-CAB4-26

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Gray cementitious/fibrous material

Non-Fibrous Materials: Cement/Binder, Binder/Filler	Other Fibrous Materials:% Cellulose 71%	Asbestos Type: % None Detected ND
--	--	--------------------------------------

Lab ID: 13069837 Client Sample #: 4014-CAB4-27

Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 Description: Gray cementitious/fibrous material

Non-Fibrous Materials: Cement/Binder, Binder/Filler	Other Fibrous Materials:% Cellulose 73%	Asbestos Type: % None Detected ND
--	--	--------------------------------------

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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 Tel 206.547.0100 Emerg. Cell 206.914.4643
 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307407

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malaekahana Beach Park
Cabin 4

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 27
 Turn Around Time 1-Hr 0-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days

Please call for TAT less than 24 Hrs

Email address vel@gotoetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455

Cell (808) 384-9590

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analyses	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2		<i>* Please See Attached</i>		
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	<i>ETC</i>	<i>4-22-13</i>	
Relinquished by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	<i>ETC</i>	<i>4-26-13</i>	
Received by	<i>Max Raymond</i>	<i>Max Raymond</i>	<i>NVL</i>	<i>5/6/13</i>	<i>10:45 P.M.</i>
Analyzed by	<i>Lori Tseloni</i>	<i>Lori Tseloni</i>	<i>NVL</i>	<i>5/8/13</i>	<i>9:05</i>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Please stop at first Positive

NVL Batch ID
1307407

Sample No.	Sample Location	Material Description
4014-CAB4-01	Kitchen	Kitchen Counter Caulking
4014-CAB4-02		
4014-CAB4-03		
4014-CAB4-04	Bedroom #2	Sheet Vinyl Flooring - Grey
4014-CAB4-05		
4014-CAB4-06		
4014-CAB4-07	Bathroom	Multi-Color Ceramic Floor Tiles w/mastic
4014-CAB4-08		
4014-CAB4-09		
4014-CAB4-10	Bathroom	Bathroom Sink Caulking
4014-CAB4-11		
4014-CAB4-12		
4014-CAB4-13	Kitchen	Grey Flooring Panels
4014-CAB4-14		
4014-CAB4-15		
4014-CAB4-16	Throughout	Door Caulking
4014-CAB4-17		
4014-CAB4-18		
4014-CAB4-19	Throughout	Window Caulking
4014-CAB4-20		
4014-CAB4-21		
4014-CAB4-22	Roof	Black Asphaltic Roofing Material
4014-CAB4-23		
4014-CAB4-24		
4014-CAB4-25	Exterior-Mauka Side	Cementitious Wall Panels
4014-CAB4-26		
4014-CAB4-27		

May 8, 2013



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SERVICES

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Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307409.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', written over a white background.

Nick Ly, Technical Director



Lab Code: 102063-0

1.888.NVL.LABS
1.888.(625.5227)
www.nvllabs.com

Enc.: Sample Results

NVL Laboratories, Inc.
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p 206.547.0100 | f.206.634.1936

NVL Laboratories, Inc



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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307409.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 21

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 5

Lab ID: 13069841 Client Sample #: 4014-CAB5-01

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 2%	None Detected ND

Layer 2 of 2 Description: Brown soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 6%	None Detected ND

Lab ID: 13069842 Client Sample #: 4014-CAB5-02

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 3%	None Detected ND

Layer 2 of 2 Description: Yellow brittle mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 4%	None Detected ND
	Synthetic fibers 1%	

Lab ID: 13069843 Client Sample #: 4014-CAB5-03

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 2%	None Detected ND

Layer 2 of 2 Description: Brown soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 4%	None Detected ND
	Synthetic fibers 3%	

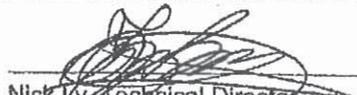
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

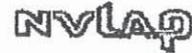
Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069844 Client Sample #: 4014-CAB5-04

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: Gray vinyl tile

Non-Fibrous Materials:
Vinyl/Binder, Mineral grains

Other Fibrous Materials:%
Cellulose 3%

Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Brown soft mastic

Non-Fibrous Materials:
Mastic/Binder, Fine grains

Other Fibrous Materials:%
Cellulose 5%

Asbestos Type: %
None Detected ND

Lab ID: 13069845 Client Sample #: 4014-CAB5-05

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: Gray vinyl tile

Non-Fibrous Materials:
Vinyl/Binder, Mineral grains

Other Fibrous Materials:%
Cellulose 4%

Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Brown soft mastic

Non-Fibrous Materials:
Mastic/Binder, Fine grains

Other Fibrous Materials:%
Cellulose 6%

Asbestos Type: %
None Detected ND

Lab ID: 13069846 Client Sample #: 4014-CAB5-06

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: Gray vinyl tile

Non-Fibrous Materials:
Vinyl/Binder, Mineral grains

Other Fibrous Materials:%
Cellulose 2%

Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Brown soft mastic

Non-Fibrous Materials:
Mastic/Binder, Fine grains

Other Fibrous Materials:%
Cellulose 7%

Asbestos Type: %
None Detected ND

Lab ID: 13069847 Client Sample #: 4014-CAB5-07

Location: Malaekahana Beach Park-Cabin 5

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

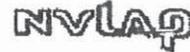
Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	Black vinyl tile	Vinyl/Binder, Mineral grains	Cellulose 2%	Chrysotile 3%
Layer 2 of 2	Black asphaltic mastic	Asphalt/Binder, Binder/Filler	Cellulose 5%	Chrysotile 2%

Lab ID: 13069848 Client Sample #: 4014-CAB5-08 Sample Status: Not Analyzed

Lab ID: 13069849 Client Sample #: 4014-CAB5-09 Sample Status: Not Analyzed

Lab ID: 13069850 Client Sample #: 4014-CAB5-10

Location: Malaekahana Beach Park-Cabin 5

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 1	Peach chalky material with paper & paint	Gypsum/Binder, Binder/Filler, Paint	Cellulose 22% Glass fibers 5%	None Detected ND

Lab ID: 13069851 Client Sample #: 4014-CAB5-11

Location: Malaekahana Beach Park-Cabin 5

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 1	Peach chalky material with paper & paint	Gypsum/Binder, Binder/Filler, Paint	Cellulose 21% Glass fibers 6%	None Detected ND

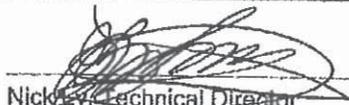
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069852 Client Sample #: 4014-CAB5-12

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 Description: Peach chalky material with paper & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder, Binder/Filler, Paint	Cellulose 20%	None Detected ND
	Glass fibers 7%	

Lab ID: 13069853 Client Sample #: 4014-CAB5-13

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 Description: Gray cementitious/fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Paint, Cement/Binder	Cellulose 74%	None Detected ND

Lab ID: 13069854 Client Sample #: 4014-CAB5-14

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 Description: Gray cementitious/fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Cement/Binder, Paint, Binder/Filler	Cellulose 71%	None Detected ND

Layer 2 of 2 Description: Tan fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Paint	Cellulose 61%	None Detected ND

Lab ID: 13069855 Client Sample #: 4014-CAB5-15

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 Description: Gray cementitious/fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Cement/Binder, Paint, Binder/Filler	Cellulose 76%	None Detected ND

Lab ID: 13069856 Client Sample #: 4014-CAB5-16

Location: Malaekahana Beach Park-Cabin 5

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307409.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1	Description: Gray cementitious/fibrous material	Non-Fibrous Materials: Cement/Binder, Binder/Filler	Other Fibrous Materials:% Cellulose 72%	Asbestos Type: % None Detected ND
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Lab ID: 13069857 Client Sample #: 4014-CAB5-17
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1	Description: Gray cementitious/fibrous material	Non-Fibrous Materials: Cement/Binder, Binder/Filler	Other Fibrous Materials:% Cellulose 74%	Asbestos Type: % None Detected ND
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Lab ID: 13069858 Client Sample #: 4014-CAB5-18
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1	Description: Gray cementitious/fibrous material with mastic	Non-Fibrous Materials: Cement/Binder, Binder/Filler, Mastic/Binder	Other Fibrous Materials:% Cellulose 71% Synthetic fibers 2%	Asbestos Type: % None Detected ND
--------------	---	---	---	--------------------------------------

Lab ID: 13069859 Client Sample #: 4014-CAB5-19
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials: Asphalt/Binder, Binder/Filler, Granules	Other Fibrous Materials:% Glass fibers 24%	Asbestos Type: % None Detected ND
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Lab ID: 13069860 Client Sample #: 4014-CAB5-20
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1	Description: Black asphaltic fibrous material with granules and paint	Non-Fibrous Materials: Asphalt/Binder, Binder/Filler, Granules Paint	Other Fibrous Materials:% Cellulose 27%	Asbestos Type: % None Detected ND
--------------	---	--	--	--------------------------------------

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307409.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 5

Lab ID: 13069861 Client Sample #: 4014-CAB5-21

Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 Description: Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Asphalt/Binder, Binder/Filler, Granules	Glass fibers 23%	None Detected ND

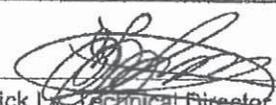
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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 Tel 206.547.0100 Emerg. Cell. 206.914.4643
 Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307409

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malakakaha Beach Park
Cabin 5

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 21
 Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@gotoetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppl)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2				
3			<i>*Please see Attached</i>	
4				
5				
6				
7				
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	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	<i>ETC</i>	<i>4-23-13</i>	
Relinquished by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	<i>ETC</i>	<i>4-26-13</i>	
Received by	<i>Max Raymond</i>	<i>Max Raymond</i>	<i>NVL</i>	<i>5/6/13</i>	<i>1045 Fed Ks</i>
Analyzed by	<i>Lou Tseng</i>	<i>Lou Tseng</i>	<i>NVL</i>	<i>5/8/13</i>	<i>1574</i>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop 2 First Positive

NVL Batch ID
1307409

Sample No.	Sample Location	Material Description
4014-CAB5-01	Living Room	12"X12" VFT w/mastic, White w/Black Speckles under carpet
4014-CAB5-02		
4014-CAB5-03		
4014-CAB5-04	Kitchen	12"X12" VFT w/mastic, Grey w/replacements
4014-CAB5-05		
4014-CAB5-06		
4014-CAB5-07	Closets	9"x 9" VFT w/mastic, Black under carpet
4014-CAB5-08		
4014-CAB5-09		
4014-CAB5-10	Throughout	Drywall Walls
4014-CAB5-11		
4014-CAB5-12		
4014-CAB5-13	Interior/Living Room	Cementitious Wall Panels
4014-CAB5-14		
4014-CAB5-15		
4014-CAB5-16	Exterior	Cementitious Wall Panels
4014-CAB5-17		
4014-CAB5-18		
4014-CAB5-19	Exterior	Black Asphaltic Roofing Material
4014-CAB5-20		
4014-CAB5-21		

May 8, 2013



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Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307415.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', enclosed in a hand-drawn oval.

Nick Ly, Technical Director



Lab Code: 102063-0

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results

NVL Laboratories, Inc.
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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc



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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Lab ID: 13069891 Client Sample #: 4014-AB-01

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White textured powdery material with paint	Calcereous particles, Paint	Cellulose 4%	None Detected ND
Layer 2 of 2	White chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 26%	None Detected ND

Lab ID: 13069892 Client Sample #: 4014-AB-02

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	Trace white textured powdery material with paint	Calcereous particles, Paint	Cellulose 3%	None Detected ND
Layer 2 of 2	White chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 23%	None Detected ND

Lab ID: 13069893 Client Sample #: 4014-AB-03

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White compacted powdery material	Calcereous particles, Calcereous binder	Cellulose 4%	None Detected ND
Layer 2 of 2	White chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 22% Glass fibers 6%	None Detected ND

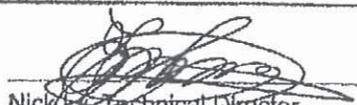
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Lab ID: 13069894 Client Sample #: 4014-AB-04

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 Description: Gray soft/loose material

Non-Fibrous Materials:
Binder/Filler

Other Fibrous Materials:%
Cellulose 3%

Asbestos Type: %
Chrysotile 5%

Lab ID: 13069895

Client Sample #: 4014-AB-05

Sample Status:

Not Analyzed

Lab ID: 13069896

Client Sample #: 4014-AB-06

Sample Status:

Not Analyzed

Lab ID: 13069897 Client Sample #: 4014-AB-07

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 Description: White/light brown soft/elastic material with paint

Non-Fibrous Materials:
Caulking compound, Paint, Fine grains

Other Fibrous Materials:%
Cellulose 2%

Asbestos Type: %
None Detected ND

Lab ID: 13069898 Client Sample #: 4014-AB-08

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 Description: White soft/elastic material

Non-Fibrous Materials:
Caulking compound, Binder/Filler

Other Fibrous Materials:%
Cellulose 3%

Asbestos Type: %
None Detected ND

Lab ID: 13069899 Client Sample #: 4014-AB-09

Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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For the scope of accreditation under NVLAP Lab Code 102083-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1307415.00
 Client Project #: 13-4014
 Date Received: 05/06/2013
 Samples Received: 36
 Samples Analyzed: 32
 Method: EPA/600/R-93/116
 & EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 1	Description: White soft/elastic material with paint and debris	Caulking compound, Paint, Wood flakes	Cellulose 6%	None Detected ND
Lab ID: 13069900 Client Sample #: 4014-AB-10				
Location: Malaekahana Beach Park-Cabin 6 and 7				
Layer 1 of 5	Description: White/pink ceramic tile	Ceramic/Binder	None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 5	Description: White sandy/brittle material	Binder/Filler, Sand	Cellulose 2%	Asbestos Type: % None Detected ND
Layer 3 of 5	Description: Brown sandy/brittle material	Binder/Filler, Sand	Cellulose 4% Synthetic fibers 2%	Asbestos Type: % None Detected ND
Layer 4 of 5	Description: Blue/gray vinyl tile	Vinyl/Binder, Mineral grains	Cellulose 3%	Asbestos Type: % None Detected ND
Layer 5 of 5	Description: Yellow soft mastic	Mastic/Binder	Cellulose 5% Synthetic fibers 1%	Asbestos Type: % None Detected ND

Lab ID: 13069901 Client Sample #: 4014-AB-11

Location: Malaekahana Beach Park-Cabin 6 and 7

Comments: No brown grout present.

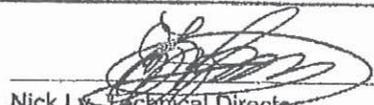
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013

Nick Ly, Technical Director 

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814**Batch #: 1307415.00**

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 36

Samples Analyzed: 32

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 4	Off-white ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 4	White sandy/brittle material	Binder/Filler, Sand	Cellulose 3% Synthetic fibers 1%	None Detected ND
Layer 3 of 4	Blue/gray vinyl tile	Vinyl/Binder, Mineral grains	Cellulose 3%	None Detected ND
Layer 4 of 4	Yellow soft mastic	Mastic/Binder, Sand	Cellulose 4% Synthetic fibers 2%	None Detected ND

Lab ID: 13069902 Client Sample #: 4014-AB-12

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 5	White/pink ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 5	White sandy/brittle material	Binder/Filler, Sand	Cellulose 4%	None Detected ND
Layer 3 of 5	Brown sandy/brittle material	Binder/Filler, Sand	Cellulose 5%	None Detected ND

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1307415.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 36

Samples Analyzed: 32

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 4 of 5	Description: Blue/gray vinyl tile with white paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Vinyl/Binder, Mineral grains, Paint	Cellulose 3%	None Detected ND	
Layer 5 of 5	Description: Yellow soft mastic with debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Mastic/Binder, Miscellaneous particles, Wood flakes	Cellulose 5%	None Detected ND	
		Synthetic fibers 3%		

Lab ID: 13069903 Client Sample #: 4014-AB-13

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2	Description: Gray vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Vinyl/Binder, Mineral grains	Cellulose 2%	None Detected ND	
Layer 2 of 2	Description: Yellow soft mastic with blue paint and debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Mastic/Binder, Paint, Wood flakes	Cellulose 7%	None Detected ND	

Lab ID: 13069904 Client Sample #: 4014-AB-14

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2	Description: White vinyl tile with gray paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Vinyl/Binder, Mineral grains, Paint	Talc fibers 2%	None Detected ND	
		Cellulose 1%		
Layer 2 of 2	Description: Yellow soft mastic with debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Mastic/Binder, Fine particles	Cellulose 5%	None Detected ND	

Lab ID: 13069905 Client Sample #: 4014-AB-15

Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 2	Gray vinyl tile	Vinyl/Binder, Mineral grains	Cellulose 2%	None Detected ND
Layer 2 of 2	Yellow soft mastic with paint	Mastic/Binder, Paint	Cellulose 5% Synthetic fibers 1%	None Detected ND

Lab ID: 13069906 Client Sample #: 4014-AB-16

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 1	White/gray soft/elastic material	Caulking compound, Binder/Filler	Cellulose 3%	None Detected ND

Lab ID: 13069907 Client Sample #: 4014-AB-17

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 1	White soft/elastic material with trace paint	Caulking compound, Binder/Filler, Paint	Cellulose 4% Synthetic fibers 2%	None Detected ND

Lab ID: 13069908 Client Sample #: 4014-AB-18

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 1	White soft/elastic material with trace paint and mastic	Caulking compound, Binder/Filler, Paint Mastic/Binder	Cellulose 5% Synthetic fibers 1%	None Detected ND

Lab ID: 13069909 Client Sample #: 4014-AB-19

Location: Malaekahana Beach Park-Cabin 6 and 7

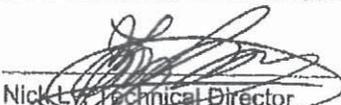
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1	Description: White soft/elastic material with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Caulking compound, Binder/Filler, Mastic/Binder	Cellulose 6%		None Detected ND

Lab ID: 13069910 Client Sample #: 4014-AB-20

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1	Description: White soft/elastic material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Caulking compound, Binder/Filler, Paint	Cellulose 5%		None Detected ND

Lab ID: 13069911 Client Sample #: 4014-AB-21

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1	Description: White soft/elastic material with trace paint and mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Caulking compound, Binder/Filler, Paint	Cellulose 7%		None Detected ND
	Mastic/Binder			

Lab ID: 13069912 Client Sample #: 4014-AB-22

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2	Description: Blue vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Vinyl/Binder	Cellulose 2%		None Detected ND

Layer 2 of 2	Description: Clear soft mastic with powdery material and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Mastic/Binder, Fine grains, Miscellaneous particles	Talc fibers 7%		None Detected ND
	Calcareous particles	Cellulose 3%		

Lab ID: 13069913 Client Sample #: 4014-AB-23

Location: Malaekahana Beach Park-Cabin 6 and 7

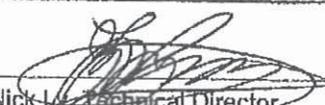
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814**Batch #: 1307415.00**

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 36

Samples Analyzed: 32

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2	Description: Blue vinyl tile	Non-Fibrous Materials: Vinyl/Binder	Other Fibrous Materials:% Cellulose 3%	Asbestos Type: % None Detected ND
Layer 2 of 2	Description: Clear soft mastic with debris	Non-Fibrous Materials: Mastic/Binder, Fine grains, Miscellaneous particles	Other Fibrous Materials:% Cellulose 4% Synthetic fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 13069914 Client Sample #: 4014-AB-24

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2	Description: Blue vinyl tile	Non-Fibrous Materials: Vinyl/Binder	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
Layer 2 of 2	Description: Clear soft mastic with yellow brittle mastic and debris	Non-Fibrous Materials: Mastic/Binder, Fine grains, Miscellaneous particles	Other Fibrous Materials:% Cellulose 4% Synthetic fibers 1%	Asbestos Type: % None Detected ND

Lab ID: 13069915 Client Sample #: 4014-AB-25

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1	Description: Black asphaltic fibrous material with granules and paint	Non-Fibrous Materials: Asphalt/Binder, Binder/Filler, Granules Paint	Other Fibrous Materials:% Cellulose 18%	Asbestos Type: % Chrysotile 2%
---------------------	--	--	--	--

Lab ID: 13069916 Client Sample #: 4014-AB-26**Sample Status: Not Analyzed**

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

NVL Laboratories, Inc



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www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102083-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069917 Client Sample #: 4014-AB-27 Sample Status: Not Analyzed

Lab ID: 13069918 Client Sample #: 4014-AB-28

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 3	Off-white cementitious/sandy material with paint	Cement/Binder, Sand, Paint	Cellulose 4%	None Detected ND
Layer 2 of 3	Off-white vinyl tile	Vinyl/Binder	Cellulose 2%	None Detected ND
Layer 3 of 3	Yellow soft mastic	Mastic/Binder	Cellulose 5% Synthetic fibers 1%	None Detected ND

Lab ID: 13069919 Client Sample #: 4014-AB-29

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	Off-white cementitious/sandy material with paint	Cement/Binder, Sand, Paint	Cellulose 3%	None Detected ND
Layer 2 of 2	Yellow soft mastic	Mastic/Binder	Cellulose 5%	None Detected ND

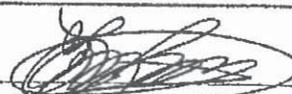
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

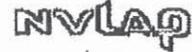
Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Lab ID: 13069920 Client Sample #: 4014-AB-30

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 3	Off-white cementitious/sandy material	Cement/Binder, Sand	Synthetic fibers 2% Cellulose 1%	None Detected ND
Layer 2 of 3	Off-white vinyl tile	Vinyl/Binder	Cellulose 3%	None Detected ND
Layer 3 of 3	Yellow soft mastic	Mastic/Binder	Cellulose 6%	None Detected ND

Lab ID: 13069921 Client Sample #: 4014-AB-31

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 1	White brittle material with paint	Caulking compound, Paint	Cellulose 3%	None Detected ND

Lab ID: 13069922 Client Sample #: 4014-AB-32

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 1	White brittle material with paint	Caulking compound, Paint	Cellulose 4%	None Detected ND

Lab ID: 13069923 Client Sample #: 4014-AB-33

Location: Malaekahana Beach Park-Cabin 6 and 7

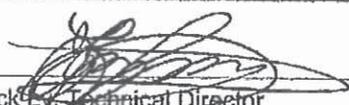
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

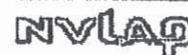
Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 1	White brittle material with paint			
		Caulking compound, Paint	Cellulose 5%	None Detected ND

Lab ID: 13069924 Client Sample #: 4014-AB-34

Location: Malaekahana Beach Park-Cabin 6 and 7

Comments: No ceramic tile present.

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	Gray vinyl tile			
		Vinyl/Binder, Mineral grains, Paint	Cellulose 2%	None Detected ND

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 2 of 3	Yellow soft mastic with paint			
		Mastic/Binder, Paint	Cellulose 4%	None Detected ND
			Synthetic fibers 2%	

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 3 of 3	Brown sandy/brittle material with paint			
		Binder/Filler, Sand, Paint	Cellulose 5%	None Detected ND

Lab ID: 13069925 Client Sample #: 4014-AB-35

Location: Malaekahana Beach Park-Cabin 6 and 7

Comments: No ceramic tile present.

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	Brown sandy/brittle material with paint			
		Binder/Filler, Sand, Paint	Cellulose 4%	None Detected ND

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 2 of 2	White sandy/brittle material			
		Binder/Filler, Sand	Cellulose 3%	None Detected ND

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307415.00

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 36

Samples Analyzed: 32

Method: EPA/600/R-93/116

& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Lab ID: 13069926 Client Sample #: 4014-AB-36

Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 Description: Multi-colored ceramic tile

Non-Fibrous Materials:

Other Fibrous Materials: %

Asbestos Type: %

Ceramic/Binder

None Detected ND

None Detected ND

Layer 2 of 2 Description: White sandy/brittle material with paint

Non-Fibrous Materials:

Other Fibrous Materials: %

Asbestos Type: %

Binder/Filler, Sand, Paint

Cellulose 4%

None Detected ND

Sampled by: Client

Analyzed by: Lori Tseng

Date: 05/08/2013

Reviewed by: Nick Ly

Date: 05/08/2013


Nick Ly, Technical Director

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 Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307415

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malakakona Beach Park
Cabins 6 & 7

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 36
 Turn Around Time 1-Hr 8-Hrs 2 Days 6 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@gotoetc.com
 Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4455

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2			* Please See Attached	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>[Signature]</i>	ETC	4-22-13	
Relinquished by	<i>Vel Roberts</i>	<i>[Signature]</i>	ETC	4-26-13	
Received by	<i>Max Rayson</i>	<i>[Signature]</i>	NVL	6/6/13	1545 Buhrs
Analyzed by	<i>Loi Tseng</i>	<i>[Signature]</i>	NVL	5/8/13	1411
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop at First Positive

NVL Batch ID
1307415

Sample No.	Sample Location	Material Description
4014-AB-01	Throughout	Drywall Wall
4014-AB-02		
4014-AB-03		
4014-AB-04		
4014-AB-05	Dinning Room	Grey Sink Undercoat
4014-AB-06	Throughout	Door Caulking
4014-AB-07		
4014-AB-08		
4014-AB-09	Dinning Room	12"x12" Lt. Blue Textured Floor Tile under Ceramic Floor Tiles w/mastic
4014-AB-10		
4014-AB-11		
4014-AB-12	Throughout	12"x12" Lt. Blue Textured Vinyl Floor Tile w/mastic
4014-AB-13		
4014-AB-14		
4014-AB-15	Bathroom	Counter Caulking
4014-AB-16		
4014-AB-17		
4014-AB-18	Kitchen	Counter Caulking
4014-AB-19		
4014-AB-20		
4014-AB-21	Bedroom	Blue Sheet Vinyl Flooring w/mastic
4014-AB-22		
4014-AB-23		
4014-AB-24	Roof	Black Asphaltic Roofing Material
4014-AB-25		
4014-AB-26		
4014-AB-27	Bathroom	Cementious Flooring w/mastic
4014-AB-28		
4014-AB-29		
4014-AB-30	Bathroom	Shower Caulking
4014-AB-31		
4014-AB-32		
4014-AB-33	Hallway	Multi-Color Ceramic Floor Tile w/replacements
4014-AB-34		
4014-AB-35		
4014-AB-36		

May 8, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307420.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', is enclosed within a hand-drawn oval.

Nick Ly, Technical Director



Lab Code: 102063-0

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results

NVL Laboratories, Inc.
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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc



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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307420.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Security Residence Office

Lab ID: 13069937 Client Sample #: 4014-Office-01

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: Blue vinyl tile

Non-Fibrous Materials:
Vinyl/Binder, Mineral grains

Other Fibrous Materials:%
Cellulose 2%

Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Yellow brittle mastic

Non-Fibrous Materials:
Mastic/Binder

Other Fibrous Materials:%
Cellulose 5%

Asbestos Type: %
None Detected ND

Lab ID: 13069938 Client Sample #: 4014-Office-02

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:
Vinyl/Binder, Mineral grains

Other Fibrous Materials:%
Cellulose 3%

Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Yellow soft mastic

Non-Fibrous Materials:
Mastic/Binder

Other Fibrous Materials:%
Cellulose 6%

Asbestos Type: %
None Detected ND

Lab ID: 13069939 Client Sample #: 4014-Office-03

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:
Vinyl/Binder, Mineral grains

Other Fibrous Materials:%
Cellulose 2%

Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Yellow soft mastic

Non-Fibrous Materials:
Mastic/Binder

Other Fibrous Materials:%
Cellulose 7%

Asbestos Type: %
None Detected ND

Lab ID: 13069940 Client Sample #: 4014-Office-04

Location: Malaekahana Beach Park-Security Residence Office

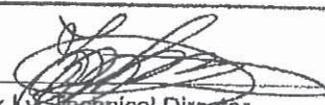
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

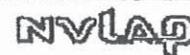
Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307420.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Security Residence Office

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White compacted powdery material with paint	Calcereous particles, Paint	Cellulose 3%	None Detected ND
Layer 2 of 2	Peach chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 22% Glass fibers 5%	None Detected ND

Lab ID: 13069941 Client Sample #: 4014-Office-05

Location: Malaekahana Beach Park-Security Residence Office

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White textured powdery material with paint	Calcereous particles, Paint	Cellulose 4%	None Detected ND
Layer 2 of 2	White chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 23% Glass fibers 6%	None Detected ND

Lab ID: 13069942 Client Sample #: 4014-Office-06

Location: Malaekahana Beach Park-Security Residence Office

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White textured powdery material with paint	Calcereous particles, Paint	Cellulose 5%	None Detected ND
Layer 2 of 2	Peach chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 21% Glass fibers 7%	None Detected ND

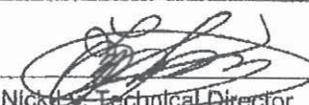
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307420.00

Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Security Residence Office

Lab ID: 13069943 Client Sample #: 4014-Office-07

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 1 Description: White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Binder/Filler	Cellulose 3%	None Detected ND

Lab ID: 13069944 Client Sample #: 4014-Office-08

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 1 Description: White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Binder/Filler	Cellulose 4%	None Detected ND

Lab ID: 13069945 Client Sample #: 4014-Office-09

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 1 Description: White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Binder/Filler	Cellulose 3%	None Detected ND

Lab ID: 13069946 Client Sample #: 4014-Office-10

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: Black ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Layer 2 of 2 Description: Gray sandy/brittle material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Sand, Mastic/Binder	Cellulose 3%	None Detected ND
	Synthetic fibers 2%	

Lab ID: 13069947 Client Sample #: 4014-Office-11

Location: Malaekahana Beach Park-Security Residence Office

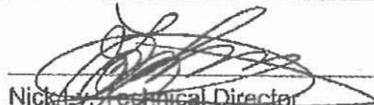
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

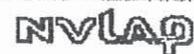
Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 2	Black ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 2	Gray sandy/brittle material with mastic	Binder/Filler, Sand, Mastic/Binder	Cellulose 5% Synthetic fibers 1%	None Detected ND

Lab ID: 13069948 Client Sample #: 4014-Office-12
Location: Malaekahana Beach Park-Security Residence Office

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 2	Black ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 2	Trace gray sandy/brittle material with mastic	Binder/Filler, Sand, Mastic/Binder	Cellulose 3% Synthetic fibers 1%	None Detected ND

Lab ID: 13069949 Client Sample #: 4014-Office-13
Location: Malaekahana Beach Park-Security Residence Office

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 2	White vinyl tile	Vinyl/Binder, Mineral grains	Cellulose 3%	Chrysotile 3%
Layer 2 of 2	Black asphaltic mastic with powdery material	Asphalt/Binder, Binder/Filler, Calcareous particles	Cellulose 6% Synthetic fibers 2%	None Detected ND

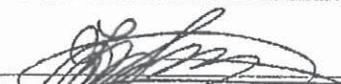
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

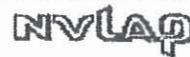
Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Security Residence Office

Lab ID: 13069950 Client Sample #: 4014-Office-14

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 4%	Chrysotile 2%

Layer 2 of 2 Description: Black asphaltic mastic with powdery material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Asphalt/Binder, Binder/Filler, Calcareous particles	Cellulose 5%	None Detected ND
	Synthetic fibers 1%	

Lab ID: 13069951 Client Sample #: 4014-Office-15

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 2%	Chrysotile 3%

Layer 2 of 2 Description: Black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Asphalt/Binder, Binder/Filler	Cellulose 6%	None Detected ND

Lab ID: 13069952 Client Sample #: 4014-Office-16

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: Off-white ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Layer 2 of 2 Description: Gray sandy/brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Sand	Cellulose 4%	None Detected ND

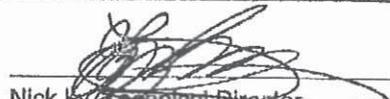
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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For the scope of accreditation under NVLAP Lab Code 102083-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Security Residence Office

Lab ID: 13069953 Client Sample #: 4014-Office-17

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: Off-white ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Layer 2 of 2 Description: Trace gray sandy/brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Sand	Cellulose 3%	None Detected ND

Lab ID: 13069954 Client Sample #: 4014-Office-18

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: Off-white ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Layer 2 of 2 Description: Gray sandy/brittle material with mastic and paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Sand, Mastic/Binder	Cellulose 4%	None Detected ND
Paint	Synthetic fibers 2%	

Lab ID: 13069955 Client Sample #: 4014-Office-19

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 Description: Gray/white soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Paint	Cellulose 3%	None Detected ND

Layer 2 of 2 Description: Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Asphalt/Binder, Binder/Filler, Fine grains	Glass fibers 67%	None Detected ND

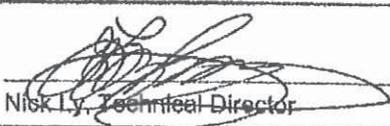
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Security Residence Office

Lab ID: 13069956 Client Sample #: 4014-Office-20

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	Description: Gray/white soft/elastic material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler, Paint	Cellulose 4%	None Detected ND
Layer 2 of 2	Description: Black asphaltic fibrous material	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Asphalt/Binder, Binder/Filler, Fine grains	Glass fibers 69%	None Detected ND

Lab ID: 13069957 Client Sample #: 4014-Office-21

Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	Description: Gray/white soft/elastic material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler, Paint	Cellulose 2%	None Detected ND
Layer 2 of 2	Description: Black asphaltic fibrous material	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Asphalt/Binder, Binder/Filler, Fine grains	Glass fibers 68%	None Detected ND

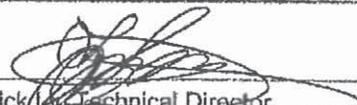
Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 05/08/2013

Date: 05/08/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307420

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Makelaehana Beach Park
Security Residence Office

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 21
 Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@goloelc.com
 Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4455

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample are, Sample Volume, etc)	A/R
1				
2			<i>* Please See Attached</i>	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Sampled by	<u>Vel Roberts</u>	Sign Below	Company	Date	Time
Relinquished by	<u>Vel Roberts</u>	<i>[Signature]</i>		<u>4/30/13</u>	
Received by	<u>Max Raymond</u>	<i>[Signature]</i>		<u>5/1/13</u>	
Analyzed by	<u>Lon Tseng</u>	<i>[Signature]</i>	<u>NVL</u>	<u>5/6/13</u>	<u>1045 Pacific</u>
Results Called by			<u>ML</u>	<u>5/8/13</u>	<u>1017</u>
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop @ First Positive

NVL Batch ID
1307420

Sample No.	Sample Location	Material Description
4014-Office-01	Kitchen	12"x12" VFT Checkered Pattern White & Blue w/mastic
4014-Office-02		
4014-Office-03		
4014-Office-04		
4014-Office-05	Throughout	Drywall Walls & Ceilings
4014-Office-06		
4014-Office-07		
4014-Office-08	Kitchen Counter	Kitchen Counter Caulking
4014-Office-09		
4014-Office-10	Kitchen Counter	Ceramic Tile Counter w/grout
4014-Office-11		
4014-Office-12		
4014-Office-13	Bedroom 2	12x12 VFT White w/mastic
4014-Office-14		
4014-Office-15		
4014-Office-16	Restroom Sink	Ceramic Tile Counter w/grout
4014-Office-17		
4014-Office-18		
4014-Office-19	Exterior/Roof	Black Asphaltic Roofing Material
4014-Office-20		
4014-Office-21		

Appendix **III**

ASBESTOS CONTAINING MATERIAL (ACM) PHOTO LOG



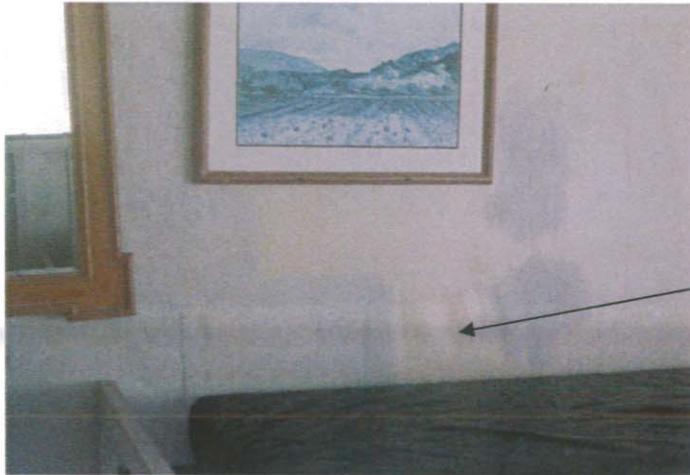
Photograph 1: Cabin 2 is a two bedroom, two bath unit with a kitchen and a living room.



Photograph 2: 12"x12" VFT Black and White Checkered Pattern with Replacement VFT with Mastic.



Photograph 3: 12"x12" VFT White with Replacement VFT



Photograph 4: Drywall Walls



Photograph 5: Black Asphaltic Built-up Roofing Material.



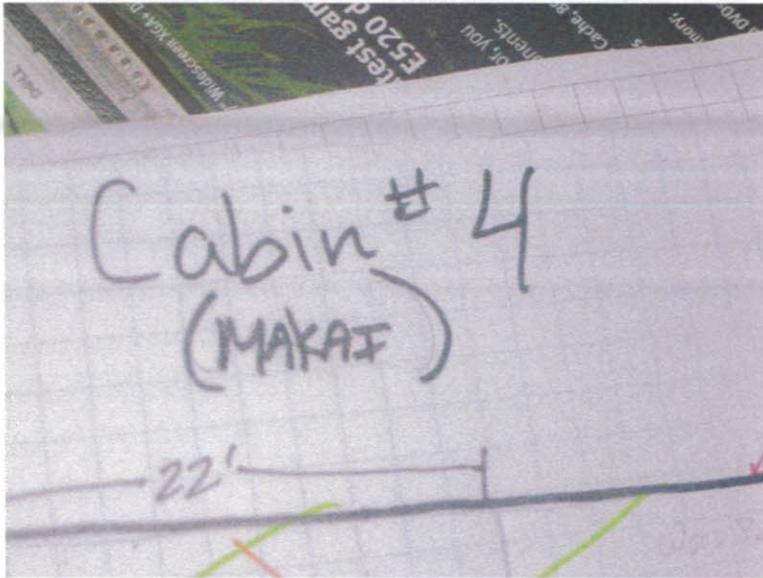
Photograph 6: Restroom Sink Counter Caulking



Photograph 7: Cabin 3 is a three bedroom, two bath unit with a kitchen and a living



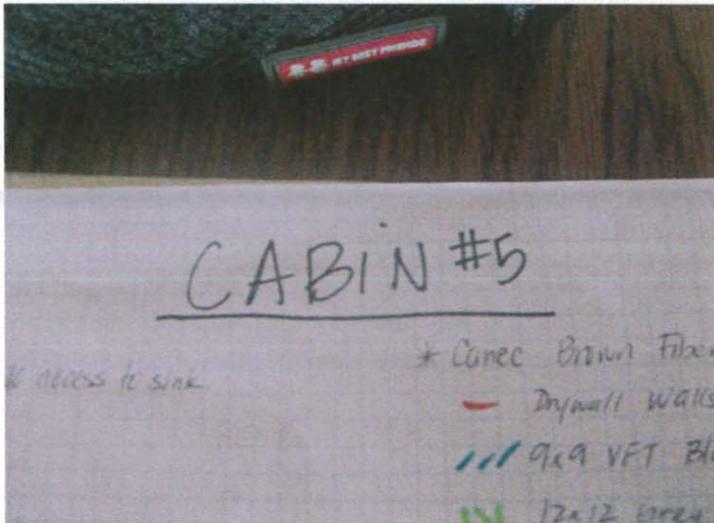
Photograph 8: Black Asphaltic Built-up Roofing Material.



Photograph 9: Cabin 4 is a two bedroom, one bath unit with a kitchen and a living



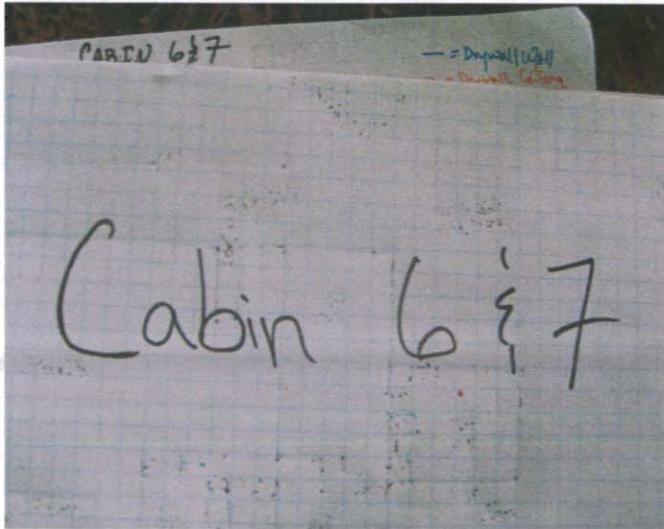
Photograph 10: Black Asphaltic Built-up Roofing Material.



Photograph 11: Cabin 5 is a three bedroom, two bath unit with a kitchen and a living room.



Photograph 12: 9"x9" Vinyl Floor Tile, Black, can also be found under the carpet in the bedrooms.



Photograph 13: Cabin 6 & 7 (one unit) is a four bedroom unit with two restrooms and a loft, two living rooms and one full size kitchen and mini kitchen. It appears that at one time it may have been two separate units.

Photograph 14: Grey Sink Undercoat on the larger side of the unit, no access to the sink undercoat on the smaller side of the unit.



Photograph 15: Black asphaltic built-up roofing material.



Photograph 16: Security Residence Office is a three bedroom, one bathroom unit, one side of the structure has been converted into an office on the other side is where one of the workers resides.



Photograph 17: 12"x12" Vinyl Floor Tile, White



Photograph 18:
Caretakers' House (Craig Chapman Residence)
Black Sink Undercoat



Photograph 19: Caretakers' House
(Craig Chapman Residence)
Brown & Black Pipe Penetration Sealant



Photograph 20: Security House (Aaron Tufaga Residence)
Black Sink Undercoat



Photograph 21:
Security Residence (Game Warden Residence)
White Sink Undercoat



Photograph 22:
Security Residence (Game Warden Residence)
Sliding Door Caulking

July 11, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311272.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results



Lab Code: 102063-0

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc



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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311272.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 31
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Lab ID: 13092239 Client Sample #: 4014-CCR-01
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 Description: Brown soft vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Granules	Cellulose 5%	None Detected ND

Lab ID: 13092240 Client Sample #: 4014-CCR-02
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 2 Description: Brown wood pattern vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder	None Detected ND	None Detected ND

Layer 2 of 2 Description: Trace tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092241 Client Sample #: 4014-CCR-03
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 2 Description: Brown wood pattern vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder	Cellulose 2%	None Detected ND

Layer 2 of 2 Description: Trace yellow soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	None Detected ND	None Detected ND

Lab ID: 13092242 Client Sample #: 4014-CCR-04
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 2 Description: Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Granules	None Detected ND	None Detected ND

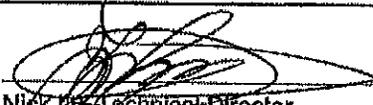
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-80%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814**Batch #: 1311272.00**

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 33

Samples Analyzed: 31

Method: EPA/600/R-93/116
& EPA/800/M4-82-020**Attention: Ms. Deana Sueoka**

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 2 of 2	Description: Off-white soft mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092243 **Client Sample #: 4014-CCR-05**
 Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2	Description: Off-white vinyl tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Vinyl/Binder, Granules	None Detected ND	None Detected ND

Layer 2 of 2	Description: Tan soft mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Mastic/Binder	None Detected ND	None Detected ND

Lab ID: 13092244 **Client Sample #: 4014-CCR-06**
 Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2	Description: Off-white vinyl tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Vinyl/Binder, Granules	Cellulose 2%	None Detected ND

Layer 2 of 2	Description: Tan soft mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092245 **Client Sample #: 4014-CCR-07**
 Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	Description: White ceramic tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder	None Detected ND	None Detected ND

Sampled by: Client**Analyzed by:** Jason Stuhr**Reviewed by:** Nick Ly**Date:** 07/11/2013**Date:** 07/11/2013

 Nick Ly, Technical Director

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

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& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 2 of 3	Description: White soft sandy material	Non-Fibrous Materials: Binder/Filler, Granules	Other Fibrous Materials:% Cellulose 3%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Gray brittle sandy material	Non-Fibrous Materials: Binder/Filler, Granules	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND

Lab ID: 13092246 Client Sample #: 4014-CCR-08

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	Description: White ceramic tile	Non-Fibrous Materials: Ceramic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: White soft sandy material	Non-Fibrous Materials: Binder/Filler, Granules	Other Fibrous Materials:% Cellulose 5%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Gray brittle sandy material	Non-Fibrous Materials: Binder/Filler, Granules	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND

Lab ID: 13092247 Client Sample #: 4014-CCR-09

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	Description: White ceramic tile	Non-Fibrous Materials: Ceramic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: White soft sandy material	Non-Fibrous Materials: Binder/Filler, Granules	Other Fibrous Materials:% Cellulose 4%	Asbestos Type: % None Detected ND

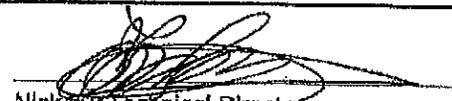
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

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& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 3 of 3	Description: Gray brittle sandy material	Non-Fibrous Materials: Binder/Filler, Granules	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Lab ID: 13092248 Client Sample #: 4014-CCR-10
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2	Description: White brittle material with paint	Non-Fibrous Materials: Binder/Filler, Granules, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Layer 2 of 2	Description: Trace white chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 92%	Asbestos Type: % None Detected ND
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Lab ID: 13092249 Client Sample #: 4014-CCR-11
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2	Description: White brittle material with paint	Non-Fibrous Materials: Binder/Filler, Granules, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Layer 2 of 2	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 48%	Asbestos Type: % None Detected ND
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Lab ID: 13092250 Client Sample #: 4014-CCR-12
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1	Description: White brittle material with paint	Non-Fibrous Materials: Binder/Filler, Granules, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Lab ID: 13092251 Client Sample #: 4014-CCR-13
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

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Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White compacted powdery material with paint	Calcereous binder, Paint	None Detected ND	None Detected ND
Layer 2 of 2	White chalky material with paper	Gypsum/Binder, Mica	Cellulose 26% Glass fibers 2%	None Detected ND

Lab ID: 13092252 **Client Sample #: 4014-CCR-14**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	White compacted powdery material with paint	Calcereous binder, Paint	None Detected ND	None Detected ND
Layer 2 of 3	White compacted powdery material with paint	Calcereous binder, Paint	None Detected ND	None Detected ND
Layer 3 of 3	Off-white chalky material with paper	Gypsum/Binder	Cellulose 23%	None Detected ND

Lab ID: 13092253 **Client Sample #: 4014-CCR-15**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White brittle material with paint	Binder/Filler, Granules, Paint	None Detected ND	None Detected ND
Layer 2 of 2	Trace white chalky material with paper	Gypsum/Binder	Cellulose 90%	None Detected ND

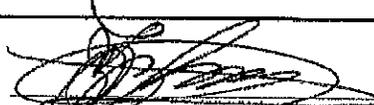
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

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& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Lab ID: 13092254 Client Sample #: 4014-CCR-16

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound	None Detected ND	None Detected ND

Layer 2 of 2 Description: Pink brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Blinder/Filler	None Detected ND	None Detected ND

Lab ID: 13092255 Client Sample #: 4014-CCR-17

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound	None Detected ND	None Detected ND

Layer 2 of 2 Description: Brown fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Fine particles	Cellulose 85%	None Detected ND
	Hair 13%	

Lab ID: 13092256 Client Sample #: 4014-CCR-18

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound	Cellulose 8%	None Detected ND

Lab ID: 13092257 Client Sample #: 4014-CCR-19

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly Technical Director

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Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 2	White thin soft material	Binder/Filler	None Detected ND	None Detected ND
Layer 2 of 2	Tan compressed fibrous material	Fine particles	Cellulose 98%	None Detected ND

Lab ID: 13092258 Client Sample #: 4014-CCR-20
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 1	White thin soft material	Binder/Filler	Cellulose 3%	None Detected ND

Lab ID: 13092259 Client Sample #: 4014-CCR-21
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 2	White thin soft material	Binder/Filler	Cellulose 2%	None Detected ND
Layer 2 of 2	Tan compressed fibrous material	Fine particles	Cellulose 98%	None Detected ND

Lab ID: 13092260 Client Sample #: 4014-CCR-22
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 1	Black soft asphaltic material	Asphalt/Binder	None Detected ND	Chrysotile 4%

Lab ID: 13092261 Client Sample #: 4014-CCR-23 Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

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& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Lab ID: 13092262 Client Sample #: 4014-CCR-24 Sample Status: Not Analyzed

Lab ID: 13092263 Client Sample #: 4014-CCR-25
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Caulking compound	Cellulose 2%	None Detected ND

Lab ID: 13092264 Client Sample #: 4014-CCR-26
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Caulking compound	Cellulose 3%	None Detected ND

Lab ID: 13092265 Client Sample #: 4014-CCR-27
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Caulking compound	Cellulose 2%	None Detected ND

Lab ID: 13092266 Client Sample #: 4014-CCR-28
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 Description: Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Binder/Filler	Cellulose 2%	None Detected ND

Lab ID: 13092267 Client Sample #: 4014-CCR-29
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

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Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1	Description: Off-white soft material	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler	Cellulose 2%	None Detected ND

Lab ID: 13092268 Client Sample #: 4014-CCR-30
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1	Description: Off-white sandy material	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler, Quartz	None Detected ND	None Detected ND

Lab ID: 13092269 Client Sample #: 4014-CCR-31
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	Description: Beige ceramic tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 3	Description: Off-white soft mastic	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Mastic/Binder	None Detected ND	None Detected ND
Layer 3 of 3	Description: Gray sandy material	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Binder/Filler, Granules	None Detected ND	None Detected ND

Lab ID: 13092270 Client Sample #: 4014-CCR-32
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	Description: Beige ceramic tile	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Ceramic/Binder	None Detected ND	None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director 

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& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 2 of 3	Off-white soft mastic	Mastic/Binder	None Detected ND	None Detected ND
Layer 3 of 3	Gray sandy material	Binder/Filler, Granules	Cellulose 2%	None Detected ND

Lab ID: 13092271 Client Sample #: 4014-CCR-33

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 3	Beige ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 3	Trace off-white soft mastic	Mastic/Binder	None Detected ND	None Detected ND
Layer 3 of 3	Gray sandy material	Binder/Filler, Granules	Cellulose 2%	None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

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**CHAIN of CUSTODY
 SAMPLE LOG**

L A B S
 LABORATORY QUALITY SYSTEM

Client: EnviroServices 4 Training
 Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number: _____
 Client Job Number: #13-4014
 Total Samples: (5)
 Turn Around Time: 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 5 Days
 4-Hrs 3 Days 6 to 10 Days
 Please call for TAT less than 24 Hrs
 Email address: deana@go.net

Project Manager: Deana Suedka
 Project Location: Malakalana Beach Park
(CCR) - Chapman Caretaker Residence
 Phone: 808-834-7222 Fax: 808-834-4455

Asbestos Air POM (NIOSH 7400) TEM (NIOSH 7402) TEM (AHERA) TEM (EPA Level II) Other

Asbestos Bulk PLM (EPA/800/R-99/118) PLM (EPA-Point Count) PLM (EPA Gravimetry) TEM Bulk

Mold/Fungus Mold Air Mold Bulk Rotometer Calibration

METALS	Inst./Det Limit	Matrix	RCRA Metals	All A	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Al ₂ O ₃
<input type="checkbox"/> TOLP	<input type="checkbox"/> IOP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Selenium (Se)	<input type="checkbox"/> Copper (Cu)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dualwipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Silver (Ag)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)		<input type="checkbox"/> Zinc (Zn)
		<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Lead (Pb)		

Other Types of Analysis Fiberglass Nuisance Dust Other (Specify) _____
 Silica Respirable Dust

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample area, Sample Volume, etc)	AIR
1				
2			* Please see attached *	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Suedka</u>	<u>Deana Suedka</u>	<u>ETC</u>	<u>7/8/13</u>	
Relinquished by	<u>"</u>	<u>Deana Suedka</u>	<u>"</u>	<u>7/8/13</u>	
Received by	<u>Walter Yoo</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7/11/13</u>	<u>11:00</u>
Analyzed by	<u>[Signature]</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7/11/13</u>	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please stop e /st positive. Thank you.

Sample No.	Sample Location	Material Description
4014-CCR-01	Entrance	12x12 Linoleum Brown Tiles
4014-CCR-02		
4014-CCR-03		
4014-CCR-04	Bathroom #3	12x12 VFT White
4014-CCR-05		
4014-CCR-06		
4014-CCR-07	Bathroom #2	6x6 Ceramic Tiles
4014-CCR-08		
4014-CCR-09		
4014-CCR-10	Bedroom & Bathroom #1, Bedroom #2 & Bdrm & Bathroom #3	Drywall Sheetrock Walls
4014-CCR-11		
4014-CCR-12		
4014-CCR-13	Bedroom & Bathroom #1, Bedroom #2, Bdrm & Bathroom #3 & Entrance	Drywall Sheetrock Ceiling
4014-CCR-14		
4014-CCR-15		
4014-CCR-16	Throughout	Window Caulking
4014-CCR-17		
4014-CCR-18		
4014-CCR-19	Throughout	Door Caulking
4014-CCR-20		
4014-CCR-21		
4014-CCR-22	Kitchen	Black Sink Undercoat
4014-CCR-23		
4014-CCR-24		
4014-CCR-25	Kitchen	White Sink Caulking
4014-CCR-26		
4014-CCR-27		
4014-CCR-28	All Bathroom	Toilet & Sink Caulking
4014-CCR-29		
4014-CCR-30		
4014-CCR-31	Bathroom #1	1x1 Beige Ceramic Tile
4014-CCR-32		
4014-CCR-33		
4014-CCR-34	Bedroom #1	Brown Linoleum w/12x12 Brown Speckled Marking
4014-CCR-35		
4014-CCR-36		
4014-CCR-37	Bedroom #1	24x24 Ceramic Brown Tiles
4014-CCR-38		
4014-CCR-39		
4014-CCR-40	Exterior Roof	Red Roofing Materials
4014-CCR-41		
4014-CCR-42		
4014-CCR-43	Exterior Roof	White Plastic over Black Roofing Material
4014-CCR-44		
4014-CCR-45		
4014-CCR-46	Exterior Roof	Brown & Black Pipe Penetration Sealant
4014-CCR-47		
4014-CCR-48		
4014-CCR-49	Exterior Walls	Cementitious Wall Panel
4014-CCR-50		
4014-CCR-51		

Sample No.	Sample Location	Material Description
4014-CCR-01	Entrance	12x12 Linoleum Brown Tiles
4014-CCR-02		
4014-CCR-03		
4014-CCR-04	Bathroom #3	12x12 VFT White
4014-CCR-05		
4014-CCR-06		
4014-CCR-07	Bathroom #2	6x6 Ceramic Tiles
4014-CCR-08		
4014-CCR-09		
4014-CCR-10	Bedroom & Bathroom #1, Bedroom #2 & Bdrm & Bathroom #3	Drywall Sheetrock Walls
4014-CCR-11		
4014-CCR-12		
4014-CCR-13	Bedroom & Bathroom #1, Bedroom #2, Bdrm & Bathroom #3 & Entrance	Drywall Sheetrock Ceiling
4014-CCR-14		
4014-CCR-15		
4014-CCR-16	Throughout	Window Caulking
4014-CCR-17		
4014-CCR-18		
4014-CCR-19	Throughout	Door Caulking
4014-CCR-20		
4014-CCR-21		
4014-CCR-22	Kitchen	Black Sink Undercoat
4014-CCR-23		
4014-CCR-24		
4014-CCR-25	Kitchen	White Sink Caulking
4014-CCR-26		
4014-CCR-27		
4014-CCR-28	All Bathroom	Toilet & Sink Caulking
4014-CCR-29		
4014-CCR-30		
4014-CCR-31	Bathroom #1	1x1 Beige Ceramic Tile
4014-CCR-32		
4014-CCR-33		
4014-CCR-34	Bedroom #1	Brown Linoleum w/12x12 Brown Spackled Marking
4014-CCR-35		
4014-CCR-36		
4014-CCR-37	Bedroom #1	24x24 Ceramic Brown Tiles
4014-CCR-38		
4014-CCR-39		
4014-CCR-40	Exterior Roof	Red Roofing Materials
4014-CCR-41		
4014-CCR-42		
4014-CCR-43	Exterior Roof	White Plastic over Black Roofing Material
4014-CCR-44		
4014-CCR-45		
4014-CCR-46	Exterior Roof	Brown & Black Pipe Penetration Sealant
4014-CCR-47		
4014-CCR-48		
4014-CCR-49	Exterior Walls	Cementitious Wall Panel
4014-CCR-50		
4014-CCR-51		

July 11, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311273.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly", written over a circular stamp or seal.

Nick Ly, Technical Director

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results



Lab Code: 102063-D

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

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www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311273.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 18

Samples Analyzed: 16

Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Lab ID: 13092272 Client Sample #: 4014-CCR-34

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 Description: Brown sheet vinyl

Non-Fibrous Materials:

Vinyl/Binder, Synthetic foam

Other Fibrous Materials:%

Glass fibers 3%

Asbestos Type: %

None Detected ND

Layer 2 of 2 Description: Off-white soft mastic

Non-Fibrous Materials:

Mastic/Binder

Other Fibrous Materials:%

Cellulose 3%

Asbestos Type: %

None Detected ND

Lab ID: 13092273 Client Sample #: 4014-CCR-35

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 Description: Brown sheet vinyl

Non-Fibrous Materials:

Vinyl/Binder, Synthetic foam

Other Fibrous Materials:%

Glass fibers 5%

Asbestos Type: %

None Detected ND

Layer 2 of 2 Description: Tan soft material

Non-Fibrous Materials:

Synthetic/Binder

Other Fibrous Materials:%

Hair 2%

Asbestos Type: %

None Detected ND

Lab ID: 13092274 Client Sample #: 4014-CCR-36

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 Description: Brown sheet vinyl

Non-Fibrous Materials:

Vinyl/Binder, Synthetic foam

Other Fibrous Materials:%

Glass fibers 6%

Asbestos Type: %

None Detected ND

Layer 2 of 2 Description: Off-white soft mastic

Non-Fibrous Materials:

Mastic/Binder

Other Fibrous Materials:%

Cellulose 2%

Asbestos Type: %

None Detected ND

Lab ID: 13092275 Client Sample #: 4014-CCR-37

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

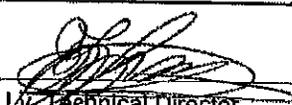
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-80%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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www.nvlabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 3	Description: Brown ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 3	Description: Gray sandy material	Binder/Filler, Granules	None Detected ND	None Detected ND
Layer 3 of 3	Description: Light gray sandy material	Binder/Filler, Quartz	None Detected ND	None Detected ND

Lab ID: 13092276 Client Sample #: 4014-CCR-38
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 3	Description: Brown ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 3	Description: Gray sandy material	Binder/Filler, Granules	Cellulose 2%	None Detected ND
Layer 3 of 3	Description: Light gray sandy material	Binder/Filler, Quartz	None Detected ND	None Detected ND

Lab ID: 13092277 Client Sample #: 4014-CCR-39
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 1 of 3	Description: Brown ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND

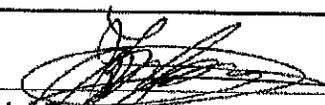
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-80%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 2 of 3	Gray sandy material	Binder/Filler, Granules	Cellulose 3%	None Detected ND
Layer 3 of 3	Light gray sandy material	Binder/Filler, Quartz	Cellulose 2%	None Detected ND

Lab ID: 13092278 Client Sample #: 4014-CCR-40
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	Black asphaltic material with mineral grains	Asphalt/Binder, Mineral grains	None Detected ND	None Detected ND
Layer 2 of 3	Black asphaltic fibrous material with granules	Asphalt/Binder	Synthetic fibers 56% Glass fibers 2%	None Detected ND
Layer 3 of 3	Black asphaltic fibrous material	Asphalt/Binder	Cellulose 52%	None Detected ND

Lab ID: 13092279 Client Sample #: 4014-CCR-41
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	Black asphaltic material with mineral grains	Asphalt/Binder, Mineral grains	None Detected ND	None Detected ND
Layer 2 of 3	Black asphaltic fibrous material with granules	Asphalt/Binder	Synthetic fibers 60%	None Detected ND

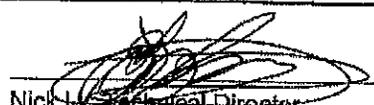
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102083-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311273.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 18

Samples Analyzed: 16

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 3 of 3	Description: Black asphaltic fibrous material	Glass fibers	3%	Asbestos Type: %
	Non-Fibrous Materials:	Other Fibrous Materials: %		
	Asphalt/Binder	Cellulose	54%	None Detected ND

Lab ID: 13092280 Client Sample #: 4014-CCR-42
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2	Description: Black asphaltic material with mineral grains	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Asphalt/Binder, Mineral grains		None Detected	ND

Layer 2 of 2	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Asphalt/Binder		Synthetic fibers	59%
			Glass fibers	6%

Lab ID: 13092281 Client Sample #: 4014-CCR-43
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 5	Description: White/gray soft material with fibrous elements	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Synthetic/Binder		Synthetic fibers	20%

Layer 2 of 5	Description: Black asphaltic thick material	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Asphalt/Binder, Mineral grains		Glass fibers	3%
			Cellulose	2%

Layer 3 of 5	Description: Black asphaltic material with mineral grains	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Asphalt/Binder, Mineral grains		None Detected	ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 60%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311273.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 18

Samples Analyzed: 16

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 4 of 5	Black asphaltic fibrous material with granules	Asphalt/Binder	Glass fibers 70%	None Detected ND
Layer 5 of 5	Tan soft material	Binder/Filler	Synthetic fibers 3%	None Detected ND

Lab ID: 13092282 Client Sample #: 4014-CCR-44

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 5	White/gray soft material with fibrous elements	Synthetic/Binder	Synthetic fibers 35%	None Detected ND
Layer 2 of 5	Black asphaltic thick material	Asphalt/Binder, Mineral grains	Glass fibers 5% Cellulose 2%	None Detected ND
Layer 3 of 5	Black asphaltic material with mineral grains	Asphalt/Binder, Mineral grains	None Detected ND	None Detected ND
Layer 4 of 5	Black asphaltic fibrous material with granules	Asphalt/Binder	Glass fibers 73%	None Detected ND
Layer 5 of 5	Tan soft material	Binder/Filler	Synthetic fibers 2%	None Detected ND

Lab ID: 13092283 Client Sample #: 4014-CCR-45

Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1311273.00
 Client Project #: 13-4014
 Date Received: 7/8/2013
 Samples Received: 18
 Samples Analyzed: 18
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 4	Description: White/gray soft material with fibrous elements	Non-Fibrous Materials: Synthetic/Binder	Other Fibrous Materials:% Synthetic fibers 38%	Asbestos Type: % None Detected ND
Layer 2 of 4	Description: Black asphaltic thick material	Non-Fibrous Materials: Asphalt/Binder, Mineral grains	Other Fibrous Materials:% Glass fibers 6% Cellulose 3%	Asbestos Type: % None Detected ND
Layer 3 of 4	Description: Black asphaltic material with mineral grains	Non-Fibrous Materials: Asphalt/Binder, Mineral grains	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 4 of 4	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Glass fibers 74%	Asbestos Type: % None Detected ND

Lab ID: 13092284 Client Sample #: 4014-CCR-46
 Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	Description: Brown/tan soft material	Non-Fibrous Materials: Synthetic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: Dark gray hard material	Non-Fibrous Materials: Binder/Filler	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Black asphaltic fibrous material with fibrous elements	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Glass fibers 18%	Asbestos Type: % Chrysotile 5%

Lab ID: 13092285 Client Sample #: 4014-CCR-47 Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

NVL Laboratories, Inc



4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.834.1936
www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Lab ID: 13092286 Client Sample #: 4014-CCR-48 Sample Status: Not Analyzed

Lab ID: 13092287 Client Sample #: 4014-CCR-49
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 Description: Gray compressed fibrous material with paint
Non-Fibrous Materials: Other Fibrous Materials:% Asbestos Type: %
Paint, Fine particles Cellulose 82% None Detected ND

Lab ID: 13092288 Client Sample #: 4014-CCR-50
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 Description: Gray compressed fibrous material with paint
Non-Fibrous Materials: Other Fibrous Materials:% Asbestos Type: %
Paint, Fine particles Cellulose 83% None Detected ND

Lab ID: 13092289 Client Sample #: 4014-CCR-51
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 Description: Gray compressed fibrous material with paint
Non-Fibrous Materials: Other Fibrous Materials:% Asbestos Type: %
Paint, Fine particles Cellulose 80% None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/11/2013

Date: 07/11/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

NO. 9470 P. 5.
NVL Batch ID
1311273

NVL Laboratories, Inc.
 4708 Aurora Ave N, Seattle, WA 98103
 Tel: 206.647.0100 Emerg. Pager: 206.344.1878
 fax: 206.634.1938 1.888.NVL.LABS (888.6227)

CHAIN of CUSTODY
SAMPLE LOG

L A B S
(written without form)

Client: Enviro Services & Training
 Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number: _____
 Client Job Number: #13-4014
 Total Samples: (5)
 Turn Around Time: 1-Hr 2-Hrs 4-Hrs 24-Hrs 2 Days 3 Days 4 to 10 Days
 Please call for TAT less than 24 Hrs
 Email address: deana@gotetc.com

Project Manager: Deana Sueoka
 Project Location: Malaekahana Beach Park
(CCR) - Chapman Caretaker Residence
 Phone: 808-839-7222 Fax: 808-839-4495

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS		Inst./Det Limit	Matrix	RCRA Metals	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Paint Chips in cm	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Mercury (Hg)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Other	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Selenium (Se)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Silver (Ag)
				<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify)		<input type="checkbox"/> Nickel (Ni)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			<input type="checkbox"/> Zinc (Zn)

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample area, Sample Volume, etc)	A/R
1				
2			* Please see attached *	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/9/13</u>	
Relinquished by	<u>"</u>	<u>Deana Sueoka</u>	<u>"</u>	<u>7/5/13</u>	
Received by	<u>Victor Liki</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7/11/13</u>	<u>11:00</u>
Analyzed by	<u>Jason Starn</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7-11-13</u>	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please stop @ 1st positive. Thank you.

Sample No.	Sample Location	Material Description
4014-CCR-01	Entrance	12x12 Linoleum Brown Tiles
4014-CCR-02		
4014-CCR-03		
4014-CCR-04	Bathroom #3	12x12 VFT White
4014-CCR-05		
4014-CCR-06		
4014-CCR-07	Bathroom #2	6x6 Ceramic Tiles
4014-CCR-08		
4014-CCR-09		
4014-CCR-10	Bedroom & Bathroom #1, Bedroom #2 & Bdrm & Bathroom #3	Drywall Sheetrock Walls
4014-CCR-11		
4014-CCR-12		
4014-CCR-13	Bedroom & Bathroom #1, Bedroom #2, Bdrm & Bathroom #3 & Entrance	Drywall Sheetrock Ceiling
4014-CCR-14		
4014-CCR-15		
4014-CCR-16	Throughout	Window Caulking
4014-CCR-17		
4014-CCR-18		
4014-CCR-19	Throughout	Door Caulking
4014-CCR-20		
4014-CCR-21		
4014-CCR-22	Kitchen	Black Sink Undercoat
4014-CCR-23		
4014-CCR-24		
4014-CCR-25	Kitchen	White Sink Caulking
4014-CCR-26		
4014-CCR-27		
4014-CCR-28	All Bathroom	Toilet & Sink Caulking
4014-CCR-29		
4014-CCR-30		
4014-CCR-31	Bathroom #1	1x1 Beige Ceramic Tile
4014-CCR-32		
4014-CCR-33		
4014-CCR-34	Bedroom #1	Brown Linoleum w/12x12 Brown Speckled Marking
4014-CCR-35		
4014-CCR-36		
4014-CCR-37	Bedroom #1	24x24 Ceramic Brown Tiles
4014-CCR-38		
4014-CCR-39		
4014-CCR-40	Exterior Roof	Rad Roofing Materials
4014-CCR-41		
4014-CCR-42		
4014-CCR-43	Exterior Roof	White Plastic over Black Roofing Material
4014-CCR-44		
4014-CCR-45		
4014-CCR-46	Exterior Roof	Brown & Black Pipe Penetration Sealant
4014-CCR-47		
4014-CCR-48		
4014-CCR-49	Exterior Walls	Cementitious Wall Panel
4014-CCR-50		
4014-CCR-51		

July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311270.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director



Lab Code: 102083-0

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1311270.00
 Client Project #: 13-4014
 Date Received: 7/8/2013
 Samples Received: 39
 Samples Analyzed: 37
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID: 13092189 Client Sample #: 4014-ASH-01

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2	Description: Off-white/brown ceramic tile	Non-Fibrous Materials: Ceramic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 2	Description: Gray hard sandy material	Non-Fibrous Materials: Binder/Filler, Granules, Fine grains	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND

Lab ID: 13092190 Client Sample #: 4014-ASH-02

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	Description: Off-white/brown ceramic tile	Non-Fibrous Materials: Ceramic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: Gray hard sandy material	Non-Fibrous Materials: Binder/Filler, Granules, Fine grains	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: White soft mastic	Non-Fibrous Materials: Mastic/Binder	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND

Lab ID: 13092191 Client Sample #: 4014-ASH-03

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	Description: Off-white/brown ceramic tile	Non-Fibrous Materials: Ceramic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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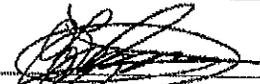
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311270.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 39

Samples Analyzed: 37

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 2 of 3	Gray hard sandy material	Binder/Filler, Granules, Fine grains	Cellulose 2%	None Detected ND
Layer 3 of 3	Light gray hard sandy material	Binder/Filler, Mineral grains	Spider silk 2%	None Detected ND

Lab ID: 13092192 Client Sample #: 4014-ASH-04

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	Trace white compacted powdery material with paint	Calcareous binder, Paint	None Detected ND	None Detected ND
Layer 2 of 3	White chalky material with paper	Gypsum/Binder	Cellulose 19%	None Detected ND
Layer 3 of 3	White soft material	Caulking compound	None Detected ND	None Detected ND

Lab ID: 13092193 Client Sample #: 4014-ASH-05

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 2	White compacted powdery material with paint	Calcareous binder, Paint	Cellulose 3%	None Detected ND
Layer 2 of 2	White chalky material with paper	Gypsum/Binder	Cellulose 23%	None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311270.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 39

Samples Analyzed: 37

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID: 13092194 Client Sample #: 4014-ASH-06

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2 Description: White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous binder, Paint	Cellulose 2%	None Detected ND

Layer 2 of 2 Description: White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder	Cellulose 25%	None Detected ND

Lab ID: 13092195 Client Sample #: 4014-ASH-07

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3 Description: Pink/blue ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Layer 2 of 3 Description: Gray hard sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Granules	None Detected ND	None Detected ND

Layer 3 of 3 Description: White sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Binder/Filler, Granules	Cellulose 2%	None Detected ND

Lab ID: 13092196 Client Sample #: 4014-ASH-08

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2 Description: Pink/blue ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Ceramic/Binder	None Detected ND	None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

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Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

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Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Layer 2 of 2	Gray sandy material	Granules	Cellulose 2%	None Detected ND
Lab ID: 13092197 Client Sample #: 4014-ASH-09 Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 2	Pink/blue ceramic tile	Ceramic/Blinder	None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 2	Gray sandy material	Granules	Cellulose 4%	Asbestos Type: % None Detected ND
Lab ID: 13092198 Client Sample #: 4014-ASH-10 Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	Off-white soft material	Caulking compound	Cellulose 2%	Asbestos Type: % None Detected ND
Lab ID: 13092199 Client Sample #: 4014-ASH-11 Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	White brittle material with paint	Calcereous binder, Paint	Cellulose 2%	Asbestos Type: % None Detected ND
Lab ID: 13092200 Client Sample #: 4014-ASH-12 Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	White brittle material with paint	Calcereous binder, Paint	Cellulose 3%	Asbestos Type: % None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

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Honolulu, HI 96814

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Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID: 13092201 Client Sample #: 4014-ASH-13
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 Description: Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Paint	Cellulose 3%	None Detected ND

Lab ID: 13092202 Client Sample #: 4014-ASH-14
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 Description: Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Paint	Cellulose 6%	None Detected ND

Lab ID: 13092203 Client Sample #: 4014-ASH-15
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 Description: Off-white/gray soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound, Paint	Cellulose 8%	None Detected ND

Lab ID: 13092204 Client Sample #: 4014-ASH-16
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound	None Detected ND	None Detected ND

Lab ID: 13092205 Client Sample #: 4014-ASH-17
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Caulking compound	Synthetic fibers 3%	None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

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Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311270.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 39

Samples Analyzed: 37

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID: 13092206 Client Sample #: 4014-ASH-18

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: White soft material

Non-Fibrous Materials:

Caulking compound

Other Fibrous Materials:%

Cellulose 3%

Asbestos Type: %

None Detected ND

Lab ID: 13092207 Client Sample #: 4014-ASH-19

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: Off-white/gray soft material

Non-Fibrous Materials:

Caulking compound

Other Fibrous Materials:%

None Detected ND

Asbestos Type: %

None Detected ND

Lab ID: 13092208 Client Sample #: 4014-ASH-20

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: Off-white/gray soft material

Non-Fibrous Materials:

Caulking compound

Other Fibrous Materials:%

Cellulose 2%

Asbestos Type: %

None Detected ND

Lab ID: 13092209 Client Sample #: 4014-ASH-21

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: Off-white/gray soft material

Non-Fibrous Materials:

Caulking compound

Other Fibrous Materials:%

None Detected ND

Asbestos Type: %

None Detected ND

Lab ID: 13092210 Client Sample #: 4014-ASH-22

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: Black asphaltic flaky material

Non-Fibrous Materials:

Asphalt/Binder

Other Fibrous Materials:%

None Detected ND

Asbestos Type: %

Chrysotile 3%

Lab ID: 13092211 Client Sample #: 4014-ASH-23

Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-16%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

NVL Laboratories, Inc



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 www.nvllabs.com

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1311270.00
 Client Project #: 13-4014
 Date Received: 7/8/2013
 Samples Received: 39
 Samples Analyzed: 37
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID: 13092212 Client Sample #: 4014-ASH-24 Sample Status: Not Analyzed

Lab ID: 13092213 Client Sample #: 4014-ASH-25

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 6	Description: Black asphaltic material with multi-colored mineral grains	Non-Fibrous Materials: Asphalt/Binder, Mineral grains	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 6	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Glass fibers 70%	Asbestos Type: % None Detected ND
Layer 3 of 6	Description: Black asphaltic material with multi-colored mineral grains	Non-Fibrous Materials: Asphalt/Binder, Mineral grains	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 4 of 6	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Glass fibers 75%	Asbestos Type: % None Detected ND
Layer 5 of 6	Description: Black asphaltic material	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Cellulose 3%	Asbestos Type: % None Detected ND
Layer 6 of 6	Description: Black asphaltic fibrous material	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Cellulose 72% Spider silk 3%	Asbestos Type: % None Detected ND

Lab ID: 13092214 Client Sample #: 4014-ASH-26

Location: Malaekahana Beach Park(Ash) Aaron Security House

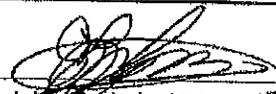
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-80%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1311270.00
 Client Project #: 13-4014
 Date Received: 7/8/2013
 Samples Received: 39
 Samples Analyzed: 37
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	Description: Black asphaltic material with multi-colored mineral grains	Non-Fibrous Materials: Asphalt/Binder, Mineral grains	Other Fibrous Materials: None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials: Glass fibers 68%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Black asphaltic fibrous material	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials: Cellulose 75% Spider silk 2%	Asbestos Type: % None Detected ND

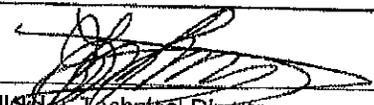
Lab ID: 13092215 Client Sample #: 4014-ASH-27

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	Description: Black asphaltic material with multi-colored mineral grains	Non-Fibrous Materials: Asphalt/Binder, Mineral grains	Other Fibrous Materials: Glass fibers 2%	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: Black asphaltic fibrous material with granules	Non-Fibrous Materials: Asphalt/Binder, Granules	Other Fibrous Materials: Glass fibers 65%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Black asphaltic fibrous material	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials: Cellulose 77% Spider silk 2%	Asbestos Type: % None Detected ND

Lab ID: 13092216 Client Sample #: 4014-ASH-28

Location: Malaekahana Beach Park(Ash) Aaron Security House

Sampled by: Client
 Analyzed by: Jason Stuhr
 Reviewed by: Nick Ly
 Date: 07/12/2013
 Date: 07/12/2013

 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=6-16%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311270.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 39

Samples Analyzed: 37

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 1	Tan compressed fibrous material with light paint	Paint, Fine particles	Cellulose 90%	None Detected ND
Lab ID: 13092217	Client Sample #: 4014-ASH-29			
Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	Tan compressed fibrous material with light paint	Non-Fibrous Materials: Paint, Fine particles, Insect parts	Other Fibrous Materials: % Cellulose 85% Spider silk 2%	Asbestos Type: % None Detected ND
Lab ID: 13092218	Client Sample #: 4014-ASH-30			
Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	Tan compressed fibrous material with light paint	Non-Fibrous Materials: Paint, Fine particles	Other Fibrous Materials: % Cellulose 91%	Asbestos Type: % None Detected ND
Lab ID: 13092219	Client Sample #: 4014-ASH-31			
Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	Pink thin material on wood	Non-Fibrous Materials: Paint	Other Fibrous Materials: % None Detected ND	Asbestos Type: % None Detected ND
Lab ID: 13092220	Client Sample #: 4014-ASH-32			
Location: Malaekahana Beach Park(Ash) Aaron Security House				
Layer 1 of 1	Brown compressed fibrous material	Non-Fibrous Materials: Fine particles	Other Fibrous Materials: % Cellulose 98%	Asbestos Type: % None Detected ND
Lab ID: 13092221	Client Sample #: 4014-ASH-33			
Location: Malaekahana Beach Park(Ash) Aaron Security House				

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1	Description: Pink thin material on wood	Non-Fibrous Materials: Paint/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Lab ID: 13092222 Client Sample #: 4014-ASH-34
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1	Description: Tan/blue soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
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Lab ID: 13092223 Client Sample #: 4014-ASH-35
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1	Description: Tan/blue soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 6%	Asbestos Type: % None Detected ND
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Lab ID: 13092224 Client Sample #: 4014-ASH-36
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1	Description: Tan/white soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
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Lab ID: 13092225 Client Sample #: 4014-ASH-37
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2	Description: Tan/blue soft material	Non-Fibrous Materials: Binder/Filler	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Layer 2 of 2	Description: Brown fibrous material	Non-Fibrous Materials: Fine particles	Other Fibrous Materials:% Cellulose 98%	Asbestos Type: % None Detected ND
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Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID: 13092226 Client Sample #: 4014-ASH-38

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: Brown compressed fibrous material with paint

Non-Fibrous Materials:

Other Fibrous Materials: %

Asbestos Type: %

Paint, Fine particles

Cellulose 88%

None Detected ND

Lab ID: 13092227 Client Sample #: 4014-ASH-39

Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 Description: Brown compressed fibrous material with paint

Non-Fibrous Materials:

Other Fibrous Materials: %

Asbestos Type: %

Paint, Fine particles

Cellulose 86%

None Detected ND

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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 Fax: 206.634.1936 1.888.NVL.LABS (888.5227)

**CHAIN of CUSTODY
 SAMPLE LOG**

**NVL Batch ID
 1311270**

Client: Enviro Services & Training
 Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number: _____
 Client Job Number: #13-4214
 Total Samples: (39)
 Turn Around Time: 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 6 Days
 4-Hrs 3 Days 10 Days
 Please call for TAT less than 24 Hrs
 Email address: deana@getoet.com

Project Manager: Deana Sueoka
 Project Location: Malaekahana Beach Park
(ASH) Arvon Security House
 Phone: 808-839-7222 Fax: 808-839-4455

Asbestos Air PCM (NIOSH 7400) TEM (NIOSH 7402) TEM (AHERA) TEM (EPA Level II) Other

Asbestos Bulk PLM (EPA/600/R-93/116) PLM (EPA Point Count) PLM (EPA Gravimetry) TEM Bulk

Mold/Fungus Mold Air Mold Bulk Rotometer Calibration

METALS		Inst./Det Limit Matrix		RCRA Metals		AIB		Other Metals	
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filler	<input type="checkbox"/> Paint Chips in air	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Mercury (Hg)			<input type="checkbox"/> All 3	
<input type="checkbox"/> TOLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Selenium (Se)			<input type="checkbox"/> Copper (Cu)	
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/Wipe (Area)	<input type="checkbox"/> Other	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Silver (Ag)			<input type="checkbox"/> Nickel (Ni)	
		<input type="checkbox"/> Soil	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Chromium (Cr)				<input type="checkbox"/> Zinc (Zn)	
		<input type="checkbox"/> Paint Chips in %		<input type="checkbox"/> Lead (Pb)					

Other Types of Analysis: Fiberglass Nuisance Dust Other (Specify) _____
 Silica Respirable Dust

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Sq. #	Lab ID	Client Sample Number	Comments (e.g. Sample area, Sample Volume, etc)	A/R
1				
2			* Please see attached *	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/3/13</u>	
Relinquished by	<u>"</u>	<u>Deana Sueoka</u>	<u>"</u>	<u>7/5/13</u>	
Received by	<u>Wade Park</u>	<u>Wade Park</u>	<u>NCL</u>	<u>7/10/13</u>	
Analyzed by	<u>Jason Stahn</u>	<u>Jason Stahn</u>	<u>NCL</u>	<u>7-10-13</u>	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Please stop @ 1st positive. Thank you.

Sample No.	Sample Location	Material Description
4014-ASH-01	Kitchen	Multi-Color Ceramic Tile w/Grout
4014-ASH-02		
4014-ASH-03		
4014-ASH-04		
4014-ASH-05	Living Room	Drywall Walls
4014-ASH-06		
4014-ASH-07	Bathroom Shower Stall	Pink & Blue Pattern Ceramic Tile w/Grout
4014-ASH-08		
4014-ASH-09		
4014-ASH-10	Throughout	Window Caulking
4014-ASH-11		
4014-ASH-12		
4014-ASH-13	Throughout	Door Caulking
4014-ASH-14		
4014-ASH-15		
4014-ASH-16	Bathroom	Sink & Toilet Caulking
4014-ASH-17		
4014-ASH-18		
4014-ASH-19	Kitchen	Kitchen Counter Caulking
4014-ASH-20		
4014-ASH-21		
4014-ASH-22	Kitchen	Black Sink Undercoat
4014-ASH-23		
4014-ASH-24		
4014-ASH-25	Exterior Roof	Grey Asphalt Roofing Material
4014-ASH-26		
4014-ASH-27		
4014-ASH-28	Exterior Walls	Cementitious Wall Panels
4014-ASH-29		
4014-ASH-30		
4014-ASH-31	Int & Ext.-Storage 2	Window Caulking
4014-ASH-32		
4014-ASH-33		
4014-ASH-34	Int & Ext.-Storage 2	Door Caulking
4014-ASH-35		
4014-ASH-36		
4014-ASH-37	Int & Ext.-Storage 2	Brown Fiber Walls
4014-ASH-38		
4014-ASH-39		

July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311278.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly", written over a horizontal line.

Nick Ly, Technical Director

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results



Lab Code: 102063-D

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc



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For the scope of accreditation under NVLAP Lab Code 102083-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 33

Samples Analyzed: 29

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Suaoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Lab ID: 13092304 **Client Sample #: 4014-GWR-01**
Location: Malaekahana Beach Park(GWR) Game Warden Residence
Comments: No mastic present
Layer 1 of 1 Description: Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Granules	None Detected ND	None Detected ND

Lab ID: 13092305 **Client Sample #: 4014-GWR-02**
Location: Malaekahana Beach Park(GWR) Game Warden Residence
Layer 1 of 2 Description: Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Granules	None Detected ND	None Detected ND

Layer 2 of 2 Description: Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092306 **Client Sample #: 4014-GWR-03**
Location: Malaekahana Beach Park(GWR) Game Warden Residence
Layer 1 of 2 Description: Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Granules	None Detected ND	None Detected ND

Layer 2 of 2 Description: Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 3%	None Detected ND

Lab ID: 13092307 **Client Sample #: 4014-GWR-04**
Location: Malaekahana Beach Park(GWR) Game Warden Residence
Comments: No joint compound present

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 21%	Asbestos Type: % None Detected ND
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Lab ID: 13092308 Client Sample #: 4014-GWR-05
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
--------------	--	--	---	--------------------------------------

Layer 2 of 2	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 20%	Asbestos Type: % None Detected ND
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Lab ID: 13092309 Client Sample #: 4014-GWR-06
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
--------------	--	--	---	--------------------------------------

Layer 2 of 2	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 22%	Asbestos Type: % None Detected ND
--------------	---	---	--	--------------------------------------

Lab ID: 13092310 Client Sample #: 4014-GWR-07
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	Description: Light gray flaky material	Non-Fibrous Materials: Binder/Filler	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 6%
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Lab ID: 13092311 Client Sample #: 4014-GWR-08 Sample Status: Not Analyzed

Sampled by: Client
Analyzed by: Jason Stuhr
Reviewed by: Nick Ly

Date: 07/12/2013
Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Lab ID: 13092312 Client Sample #: 4014-GWR-09 Sample Status: Not Analyzed

Lab ID: 13092313 Client Sample #: 4014-GWR-10
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 Description: White soft material
Non-Fibrous Materials: Other Fibrous Materials:%
Binder/Filler Cellulose 2% Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Brown fibrous material
Non-Fibrous Materials: Other Fibrous Materials:%
Fine particles Cellulose 98% Asbestos Type: %
None Detected ND

Lab ID: 13092314 Client Sample #: 4014-GWR-11
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 Description: White soft material
Non-Fibrous Materials: Other Fibrous Materials:%
Binder/Filler Cellulose 5% Asbestos Type: %
None Detected ND

Lab ID: 13092315 Client Sample #: 4014-GWR-12
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 Description: White soft material
Non-Fibrous Materials: Other Fibrous Materials:%
Binder/Filler Cellulose 2% Asbestos Type: %
None Detected ND

Layer 2 of 2 Description: Brown fibrous material
Non-Fibrous Materials: Other Fibrous Materials:%
Fine particles Cellulose 98% Asbestos Type: %
None Detected ND

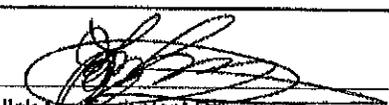
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 33

Samples Analyzed: 29

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Lab ID: 13092316 **Client Sample #: 4014-GWR-13**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 Description: White/tan soft material

Non-Fibrous Materials: Binder/Filler, Paint	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
--	---	---

Lab ID: 13092317 **Client Sample #: 4014-GWR-14**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 Description: White/tan soft material

Non-Fibrous Materials: Binder/Filler, Paint	Other Fibrous Materials:% Cellulose 3%	Asbestos Type: % None Detected ND
--	---	---

Lab ID: 13092318 **Client Sample #: 4014-GWR-15**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 Description: White/tan soft material

Non-Fibrous Materials: Binder/Filler, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
--	---	---

Lab ID: 13092319 **Client Sample #: 4014-GWR-16**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 Description: White ceramic tile

Non-Fibrous Materials: Ceramic/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
--	---	---

Layer 2 of 2 Description: Off-white sandy material

Non-Fibrous Materials: Binder/Filler, Granules, Insect parts	Other Fibrous Materials:% Spider silk 3%	Asbestos Type: % None Detected ND
---	---	---

Lab ID: 13092320 **Client Sample #: 4014-GWR-17**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	White ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 2	Beige sandy material	Binder/Filler, Granules, insect parts	Spider silk 2%	None Detected ND

Lab ID: 13092321 Client Sample #: 4014-GWR-18
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	White ceramic tile	Ceramic/Binder	None Detected ND	None Detected ND
Layer 2 of 2	Beige sandy material	Binder/Filler, Granules, Quartz	Cellulose 2%	None Detected ND

Lab ID: 13092322 Client Sample #: 4014-GWR-19
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	Beige vinyl tile	Vinyl/Binder, Granules	Cellulose 3%	None Detected ND
Layer 2 of 2	Tan soft mastic	Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092323 Client Sample #: 4014-GWR-20
Location: Malaekahana Beach Park(GWR) Game Warden Residence

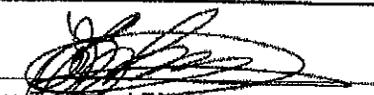
Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-16%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 33

Samples Analyzed: 29

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	Belge vinyl tile	Vinyl/Binder, Granules	Cellulose 4%	None Detected ND
Layer 2 of 2	Tan soft mastic	Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092324 Client Sample #: 4014-GWR-21
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 2	Belge vinyl tile	Vinyl/Binder, Granules	Cellulose 6%	None Detected ND
Layer 2 of 2	Tan soft mastic	Mastic/Binder	Cellulose 2%	None Detected ND

Lab ID: 13092325 Client Sample #: 4014-GWR-22
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 1	Off-white soft material	Caulking compound	Cellulose 2%	None Detected ND

Lab ID: 13092326 Client Sample #: 4014-GWR-23
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 1	Off-white soft material	Caulking compound	None Detected ND	None Detected ND

Lab ID: 13092327 Client Sample #: 4014-GWR-24
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training GTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 33

Samples Analyzed: 29

Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	Description: Off-white soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
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Lab ID: 13092328 Client Sample #: 4014-GWR-25
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2	Description: Blue thin material	Non-Fibrous Materials: Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
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Layer 2 of 2	Description: Tan brittle material	Non-Fibrous Materials: Binder/Filler, Fine particles	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
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Lab ID: 13092329	Client Sample #: 4014-GWR-26	Sample Status:	Not Analyzed
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Lab ID: 13092330	Client Sample #: 4014-GWR-27	Sample Status:	Not Analyzed
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Lab ID: 13092331 Client Sample #: 4014-GWR-28
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 3	Description: Black asphaltic material	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
--------------	---------------------------------------	--	---	--------------------------------------

Layer 2 of 3	Description: Black asphaltic material with fibrous elements	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Cellulose 41%	Asbestos Type: % None Detected ND
--------------	---	--	--	--------------------------------------

Layer 3 of 3	Description: Black asphaltic material with fibrous elements	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Cellulose 35%	Asbestos Type: % None Detected ND
--------------	---	--	--	--------------------------------------

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 33

Samples Analyzed: 29

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Glass fibers 3%

Lab ID: 13092332 Client Sample #: 4014-GWR-29

Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	Black asphaltic material	Asphalt/Binder	None Detected ND	None Detected ND
Layer 2 of 3	Black asphaltic material with fibrous elements	Asphalt/Binder	Cellulose 45%	None Detected ND
Layer 3 of 3	Black asphaltic material	Asphalt/Binder	None Detected ND	None Detected ND

Lab ID: 13092333 Client Sample #: 4014-GWR-30

Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 1 of 3	Black asphaltic material	Asphalt/Binder	None Detected ND	None Detected ND
Layer 2 of 3	Black asphaltic material with fibrous elements	Asphalt/Binder	Cellulose 42%	None Detected ND
Layer 3 of 3	Black asphaltic material	Asphalt/Binder	None Detected ND	None Detected ND

Lab ID: 13092334 Client Sample #: 4014-GWR-31

Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	Description: Off-white soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 3%	Asbestos Type: % None Detected ND
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Lab ID: 13092335 Client Sample #: 4014-GWR-32
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	Description: Off-white soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
--------------	--------------------------------------	---	---	--------------------------------------

Lab ID: 13092336 Client Sample #: 4014-GWR-33
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	Description: Off-white soft material	Non-Fibrous Materials: Caulking compound	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
--------------	--------------------------------------	---	---	--------------------------------------

Sampled by: Client

Analyzed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Date: 07/12/2013


Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-80%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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 Fax: 206.634.1000 1.888.NVL.LABS (888.8227)

CHAIN of CUSTODY
SAMPLE LOG

L A B S
 LABORATORY SERVICES

Client: Enviro Services & Training
 Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number _____
 Client Job Number: #13-4014
 Total Samples: (33)

Project Manager: Deana Sueoka
 Project Location: Malaekahana Beach Park
(GWR) Game Warden Residence

Turn Around Time: 1-Hr 2-Hrs 4 Days
 2-Hrs 3 Days 6 Days
 4-Hrs 5 Days 6 to 10 Days

Phone: 808-839-7222 Fax: 808-839-4455

Email address: deana@gwrnet.com

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS		Inst./Det Limit Matrix		RCRA Metals	
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Paint Chips in cm	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> AHR
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Mercury (Hg)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Other	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Selenium (Se)
		<input type="checkbox"/> Soil		<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Silver (Ag)
		<input type="checkbox"/> Paint Chips in %		<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Other Metals
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> All's
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			<input type="checkbox"/> Copper (Cu)
					<input type="checkbox"/> Nickel (Ni)
					<input type="checkbox"/> Zinc (Zn)

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
2				
3			* Please see attached *	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/3/13</u>	<u>900A</u>
Relinquished by	<u>"</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/5/13</u>	<u>1200</u>
Received by	<u>William J. ...</u>	<u>William J. ...</u>	<u>WJ</u>	<u>7/12/13</u>	<u>0100hrs</u>
Analyzed by	<u>Jason Stuber</u>	<u>Jason Stuber</u>	<u>WJ</u>	<u>7-12-13</u>	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please stop e / positive. Thank you.

NVL Batch ID
1311278

JUL 12 2013 1:50 PM NVLLAB8 SEATAC

NO. 9473 P. 6

Asbest. Sampling Sheet
Project No. # 13-4014
Project Name: Majackhana

Inspectors' Name: Deanna & Cornelio
Bldg. Name / No: Game Warden Residence

Page: 1 of
Date: 7-3-2013

Sample Number	Sample Location	Homogeneous Areas	Material Description (Color, Texture, Size, Shape, etc.)	Condition	Category	Friability	Est. Quantity (ft.²)
AD14-GWR-01	Interior	Kitchen	12 x 12 VFT	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input checked="" type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	275 sq ft
02		RR #1	White speckled				
03							
04		Throughout	Drywall Ceiling	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	1200 sq ft
05							
06							
07		Kitchen	White Sink	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	8 sq ft
08			Undercoat				
09							
10		Throughout	White window	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	20 sq ft
11			Ceiling				
12							
13			Door Ceiling	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	10 sq ft
14							
15							
16		RR #2	4x4 white ceramic tiles	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	55 sq ft
17							
18							
19		RR #2	12 x 12 VFT beige	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NFI <input type="checkbox"/> NFI	55 sq ft
20		Laundry Room					
21							

NVL Batch ID
1311278

JUL 12 2013 1:50PM NVLLABS SEATAC NO. 9473 P. 7

Asbest. - Taping Sheet #13-4014
 Project No. 13-4014
 Project Name: Diana + Cornelio
 Inspectors' Name: Diana + Cornelio
 Page: 2 of 2
 Date: 7/3/2013

Sample Number	Sample Location	Homogeneous Areas	Material Description (Color, Texture, Size, Shape, etc.)	Condition	Category	Friability	Est. Quantity (Sq. Ft.)
AP14-GNR-22	Interior	Restroom #1 + 2	Sink + Toilet Caulking	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Poor	<input type="checkbox"/> Surfacing <input type="checkbox"/> TSI <input checked="" type="checkbox"/> Misc.	<input type="checkbox"/> Friable <input type="checkbox"/> NF I <input type="checkbox"/> NF II	2 sq. ft.
23	↓	Sliding Door	Sliding Door Caulking	<input type="checkbox"/> Good	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Friable	6 sq. ft.
24				<input checked="" type="checkbox"/> Poor	<input type="checkbox"/> TSI	<input type="checkbox"/> NF I	
25				<input type="checkbox"/> Misc.	<input type="checkbox"/> NF II		
26	Exterior	Roof	Black Asphalt Roofing Material	<input type="checkbox"/> Good	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Friable	15 sq. ft.
27				<input checked="" type="checkbox"/> Poor	<input type="checkbox"/> TSI	<input type="checkbox"/> NF I	
28				<input type="checkbox"/> Misc.	<input type="checkbox"/> NF II		
29	Interior	Kitchen	Kitchen Caulking	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Friable	2 sq. ft.
30				<input type="checkbox"/> Poor	<input type="checkbox"/> TSI	<input type="checkbox"/> NF I	
31				<input checked="" type="checkbox"/> Misc.	<input type="checkbox"/> NF II		
32				<input type="checkbox"/> Good	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Friable	
33				<input type="checkbox"/> Poor	<input type="checkbox"/> TSI	<input type="checkbox"/> NF I	
				<input type="checkbox"/> Misc.	<input type="checkbox"/> NF II		
				<input type="checkbox"/> Good	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Friable	
				<input type="checkbox"/> Poor	<input type="checkbox"/> TSI	<input type="checkbox"/> NF I	
				<input type="checkbox"/> Misc.	<input type="checkbox"/> NF II		
				<input type="checkbox"/> Good	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Friable	
				<input type="checkbox"/> Poor	<input type="checkbox"/> TSI	<input type="checkbox"/> NF I	
				<input type="checkbox"/> Misc.	<input type="checkbox"/> NF II		

May 10, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



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RE: Metals Analysis; NVL Batch # 1307404.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



LAB # 101881

1.888.NVL.LABS
1.888.(685.3227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



Analysis Report

AIHA - IH # 101861
WA - DOE # C1785

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307404.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 5

Samples Analyzed: 5

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 2

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069779	4014-CAB2-PB-01	0.2103	44.0	620.0	0.0620
13069780	4014-CAB2-PB-02	0.1989	47.0	<47.0	<0.0047
13069781	4014-CAB2-PB-03	0.2060	45.0	1600.0	0.1600
13069782	4014-CAB2-PB-04	0.1966	48.0	3000.0	0.3000
13069783	4014-CAB2-PB-05	0.2052	46.0	250.0	0.0250

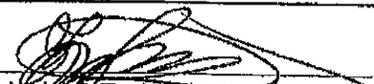
Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 05/10/2013

Date Issued: 05/10/2013


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0508-05

RL = Reporting Limit

'<' = Below the reporting Limit

NVL Laboratories, Inc.
 4708 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emerg. Cell. 206.914.4643
 Fax 206.634.1938 1.888.NVL.LABS (885.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307404

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Maliekahana Beach Park
Cabin 2

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 5
 Turn Around Time 1-Hr 8-Hrs 2 Days 3 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days

Phone: (808) 839-7222 Fax: (808) 839-4455

Email address vel@gotoelc.com
 Cell (808) 384-9590

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/118)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	All 6	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/Wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample are, Sample Volume, etc)	A/R
1		404-CAB2-PB-01	Interior, Cabin 2, Beige Paint	
2		-02	Interior, Cabin 2, Green Paint	
3		-03	Interior, Cabin 2, Red Paint	
4		-04	Interior, Cabin 2, Aqua Paint	
5		-05	Interior, Cabin 2, Beige Paint	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	ETC	4/29/13	
Relinquished by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	ETC	5/1/13	
Received by	<i>Max Raymond</i>	<i>Max Raymond</i>	NVL	5/6/13	10:45 AM
Analyzed by	<i>Aimee Brown</i>	<i>Aimee Brown</i>	NVL	5/10/13	11:10
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 10, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



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RE: Metals Analysis; NVL Batch # 1307406.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307406.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 3

Samples Analyzed: 3

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 3

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069808	4014-CAB3-PB-01	0.1960	48.0	<48.0	<0.0048
13069809	4014-CAB3-PB-02	0.2040	46.0	<46.0	<0.0046
13069810	4014-CAB3-PB-03	0.1957	48.0	570.0	0.0570

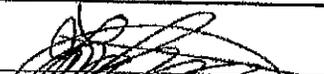
Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 05/10/2013

Date Issued: 05/10/2013


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0509-05

RL = Reporting Limit

< = Below the reporting Limit

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emerg. Cell. 206.914.4643
 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307406

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Val Roberts
 Project Location Malakakona Beach Park
Cabin 3

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 3
 Turn Around Time 1-Hr 6-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days

Please call for TAT less than 24 Hrs

Email address val@goloetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455

Cell (808) 384-9590

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level III)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/800/R-83/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input checked="" type="checkbox"/> Paint Chips in %	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppt)	<input type="checkbox"/> Dust/Wipe (Area)	<input type="checkbox"/> Paint Chips in cr	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-CAB3-PB-01	Exterior, Cabin 3, Beige Paint	
2		↓ -02	Exterior, Cabin 3, white paint	
3		↓ -03	Interior, Cabin 3, OFF white	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Val Roberts</u>	<u>Val Roberts</u>	<u>ETC</u>	<u>4/30/13</u>	
Relinquished by	<u>Val Roberts</u>	<u>Val Roberts</u>	<u>ETC</u>	<u>5/1/13</u>	
Received by	<u>Max Raymond</u>	<u>Max Raymond</u>	<u>NVL</u>	<u>5/6/13</u>	<u>1045 EST</u>
Analyzed by	<u>Aaron Brown</u>	<u>Aaron Brown</u>	<u>ANV</u>	<u>5/10/13</u>	<u>11:10</u>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 9, 2013



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Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307408.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

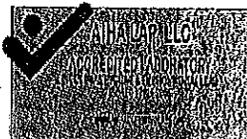
Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



LAB # 101881

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

AIHA - IH # 101861
WA - DOE # C1765



Analysis Report

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307408.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 3

Samples Analyzed: 3

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 4

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069838	4014-CAB4-PB-01	0.2112	45.0	< 45.0	< 0.0045
13069839	4014-CAB4-PB-02	0.1965	48.0	5900.0	0.5900
13069840	4014-CAB4-PB-03	0.2049	46.0	7300.0	0.7300

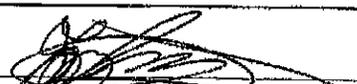
Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 05/09/2013

Date Issued: 05/09/2013


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 33-0509-03

NVL Laboratories, Inc.
 4708 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emerg. Call 206.914.4643
 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307408

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malakohana Beach Park
Cabin 4

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 3
 Turn Around Time 1-Hr 0-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@gotoetc.com
 Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4456

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	All 8	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (pp)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample are, Sample Volume, etc)	AIR
1		4014-CAB4-PB-01	Interior - Cabin 4, Grey Paint	
2		4014-CAB4-PB-02	Interior - Cabin 4, White Paint	
3		4014-CAB4-PB-03	Exterior - Cabin 4, Brown Paint	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	ETC	4-22-13	
Relinquished by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	ETC	4-26-13	
Received by	<i>Max Kayman</i>	<i>Max Kayman</i>	NVL	5/6/13	1045
Analyzed by	<i>Aman Brown</i>	<i>Aman Brown</i>	ML	5/9/13	11:30
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 8, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



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RE: Metals Analysis; NVL Batch # 1307411.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765



Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307411.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 05/08/2013

Samples Received: 8

Samples Analyzed: 8

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 5

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069868	4014-CAB5-PB-01	0.1953	48.0	130.0	0.0130
13069869	4014-CAB5-PB-02	0.1942	48.0	170.0	0.0170
13069870	4014-CAB5-PB-03	0.1944	48.0	630.0	0.0630
13069871	4014-CAB5-PB-04	0.2011	46.0	<46.0	<0.0046
13069872	4014-CAB5-PB-05	0.1997	47.0	<47.0	<0.0047
13069873	4014-CAB5-PB-06	0.1982	47.0	9700.0	0.9700
13069874	4014-CAB5-PB-07	0.1945	48.0	2000.0	0.2000
13069875	4014-CAB5-PB-08	0.2073	45.0	1100.0	0.1100

Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 05/08/2013

Date Issued: 05/08/2013

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0508-01

RL = Reporting Limit

'<' = Below the reporting Limit

NVL Laboratories, Inc.
 4708 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emarg. Cell. 206.914.4645
 Fax: 206.634.1936 1.888.NVL.LABS (885.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307411

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malaekahana Beach Park
Cabin 5

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 8
 Turn Around Time 1-Hr 8-Hrs 2 Days 4 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@gotoelc.com
 Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4456

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> PAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/Wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample are, Sample Volume, etc)	AIR
1		HOH-CABS-PB-01	Interior, Cabin 5, Beige Paint	
2		HOH-CABS-PB-02	Interior, Cabin 5, Lt. Blue Paint	
3		HOH-CABS-PB-03	Interior, Cabin 5, White Paint	
4		HOH-CABS-PB-04	Interior, Cabin 5, Brown Paint	
5		HOH-CABS-PB-05	Interior, Cabin 5, Green Paint	
6		HOH-CABS-PB-06	Exterior, " ", Brown Paint	
7		HOH-CABS-PB-07	Exterior, " ", Beige Paint	
8		HOH-CABS-PB-08	Exterior, " ", Aqua Paint	
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	ETL	4/23/13	
Relinquished by	<i>Vel Roberts</i>	<i>Vel Roberts</i>	ETL	5/1/13	
Received by	<i>Mark Lagan</i>	<i>Mark Lagan</i>	NVL	5/6/13	12:45 PM
Analyzed by	<i>Aaron Brown</i>	<i>Aaron Brown</i>	NVL	5/8/13	12:15
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 8, 2013



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Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307419.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

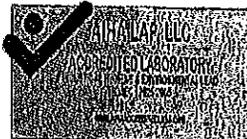
Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307419.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 5

Samples Analyzed: 5

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park-Cabin 6 and 7

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069932	4014-PB-01	0.2086	45.0	2700.0	0.2700
13069933	4014-PB-02	0.1875	50.0	< 50.0	< 0.0050
13069934	4014-PB-03	0.1963	47.0	< 47.0	< 0.0047
13069935	4014-PB-04	0.1950	48.0	< 48.0	< 0.0048
13069936	4014-PB-05	0.1803	52.0	< 52.0	< 0.0052

Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 05/08/2013

Date Issued: 05/08/2013


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

RL = Reporting Limit

< = Below the reporting Limit

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 4706 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emerg. Cell 206.914.4843
 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307419

Client EnviroServices & Training CTR. LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malakakaha Beach Park
Cabin 6 & 7

NVL Batch Number _____
 Client Job Number 13-4014
5
 Total Samples _____
 Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@goloetc.com
 Call (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4455

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (pp)	<input type="checkbox"/> DustWipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Sq. #	Lab ID	Client Sample Number	Comments (e.g. Sample area, Sample Volume, etc)	A/R
1		4014-PB-01	Exterior - Cabin 6 & 7, Grey Paint	
2		4014-PB-02	Interior - Cabin 6 & 7, Green Paint	
3		4014-PB-03	Interior - Cabin 6 & 7, Lt. Blue Paint	
4		4014-PB-04	Interior - Cabin 6 & 7, White Paint	
5		4014-PB-05	Interior - Cabin 6 & 7, Brown Paint	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Vel Roberts</u>	<u>Vel Roberts</u>	<u>ETC</u>	<u>4/22/13</u>	
Relinquished by	<u>Vel Roberts</u>	<u>Vel Roberts</u>	<u>ETC</u>	<u>4/26/13</u>	
Received by	<u>Alan Brown</u>	<u>Alan Brown</u>	<u>NVL</u>	<u>5/6/13</u>	<u>1045 Pm</u>
Analyzed by	<u>Alan Brown</u>	<u>Alan Brown</u>	<u>NVL</u>	<u>5/8/13</u>	<u>12:15</u>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 8, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



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RE: Metals Analysis; NVL Batch # 1307426.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

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Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



LAB # 101861

1.888.NVLLABS
1.888.(685.5227)
www.nvllabs.com

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4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.647.0100, Fax: 206.634.1936
www.nvllabs.com



Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1307426.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 5

Samples Analyzed: 5

Attention: Ms. Vel Roberts

Project Location: Malaekahana Beach Park Security Residence (office)

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069970	4014-office-Pb-01	0.1812	51.0	< 51.0	< 0.0051
13069971	4014-office-Pb-02	0.2144	43.0	2800.0	0.2800
13069972	4014-office-Pb-03	0.1836	51.0	< 51.0	< 0.0051
13069973	4014-office-Pb-04	0.1995	47.0	990.0	0.0990
13069974	4014-office-Pb-05	0.1809	52.0	750.0	0.0750

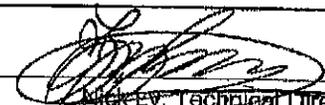
Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 05/08/2013

Date Issued: 05/08/2013


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 33-0508-01

Page 1 of 1

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 4708 Aurora Ave N, Seattle, WA 98103
 Tel 206.547.0100 Emerg. Cell. 206.914.4643
 Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1307426

Client EnviroServices & Training CTR, LLC
 Street 505 Ward Avenue, Suite 202
Honolulu, HI 96814
 Project Manager Ms. Vel Roberts
 Project Location Malaekahana Beach Park
Security Residence (Office)

NVL Batch Number _____
 Client Job Number 13-4014
 Total Samples 5
 Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 6-10 Day
 4-Hrs 24-Hrs 4 Days
 Please call for TAT less than 24 Hrs
 Email address vel@gotoetc.com
 Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4455

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/800/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (pp)	<input type="checkbox"/> Dust/Wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify) _____

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample area, Sample Volume, etc)	A/R
1		<u>4011-Office-PB-01</u>	<u>Exterior, Office, Green Paint</u>	
2		<u>-02</u>	<u>Exterior, Office, Beige Paint</u>	
3		<u>-03</u>	<u>Interior, Office, White Paint</u>	
4		<u>-04</u>	<u>Interior, Office, Beige Paint</u>	
5		<u>-05</u>	<u>Exterior, Office, Lt. Blue</u>	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Vel Roberts</u>	<u>[Signature]</u>	<u>ETC</u>	<u>4/30/13</u>	
Relinquished by	<u>Vel Roberts</u>	<u>[Signature]</u>	<u>ETC</u>	<u>5/1/13</u>	<u>1055</u>
Received by	<u>Alex [Signature]</u>	<u>[Signature]</u>	<u>NVL</u>	<u>5/6/13</u>	<u>1045 Peter</u>
Analyzed by	<u>Amy Brown</u>	<u>[Signature]</u>	<u>NVL</u>	<u>5/8/13</u>	<u>12:15</u>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



Laboratory | Management | Training

RE: Metals Analysis; NVL Batch # 1311277.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

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Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', is written over a circular stamp.

Nick Ly, Technical Director

Enclosure:



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1.888.(685.5227)
www.nvllabs.com

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1785



Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311277.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 9
Samples Analyzed: 9

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker
Residence

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13092295	4014-PB-CCR-01	0.0761	110.0	260.0	0.0260
13092296	4014-PB-CCR-02	0.1304	67.0	< 67.0	< 0.0067
13092297	4014-PB-CCR-03	0.2100	41.0	< 41.0	< 0.0041
13092298	4014-PB-CCR-04	0.0972	89.0	< 89.0	< 0.0089
13092299	4014-PB-CCR-05	0.2117	41.0	< 41.0	< 0.0041
13092300	4014-PB-CCR-06	0.1089	80.0	80.0	0.0080
13092301	4014-PB-CCR-07	0.0822	110.0	< 110.0	< 0.0110
13092302	4014-PB-CCR-08	0.1546	56.0	< 56.0	< 0.0056
13092303	4014-PB-CCR-09	0.1513	57.0	1700.0	0.1700

Sampled by: Client

Analyzed by: Fatima Khan

Reviewed by: Nick Ly

Date Analyzed: 07/12/2013

Date Issued: 07/12/2013

Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting limit

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
 Tel: 206.647.0100 Emerg. Pager: 206.344.1878
 Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1311277

Client EnviroServices & Training
 Street 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number _____

Client Job Number #13-4014

Total Samples 9

Turn Around Time 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 5 Days
 4-Hrs 3 Days 6 to 10 Days

Project Manager Deana Sueoka

Project Location Malakuhana Beach Park
(COR) - Chapman Caretaker Residence

Please call for TAT less than 24 Hrs
 Email address deana@goetc.com

Phone: 808-839-7222 Fax: 808-839-4495

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/800/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS		Inst./Det Limit	Matrix	RCRA Metals	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Paint Chips in cm	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Copper (Cu)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Other	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil		<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Zinc (Zn)
		<input checked="" type="checkbox"/> Paint Chips in %		<input checked="" type="checkbox"/> Lead (Pb)	
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Mercury (Hg)	
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust		<input type="checkbox"/> Selenium (Se)	
				<input type="checkbox"/> Silver (Ag)	

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
2				
3			* Please see attached *	
4				
5				
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7				
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13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Oued</u>	ETC	7/5/13	8:30 A
Relinquished by	<u>Deana Sueoka</u>	<u>Deana Oued</u>	"	7/5/13	1:30 A
Received by	<u>[Signature]</u>	<u>[Signature]</u>	<u>Enviro</u>	7/12/13	1:00 P
Analyzed by	<u>[Signature]</u>	<u>[Signature]</u>	<u>Neill Labs</u>	7/12/13	3:00 P
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Paint Sampling Sheet

Project No. #13-4014

Project Name: Malae Kahana

Inspectors' Name: Deana Sueker/Comelio

Bldg. Name / No: Chapman Caretaker Residence

Page: / of

Date:

Sample Number	Sample Location	Homogeneous Areas	Paint Description (Color, Texture, Etc.)	Substrate (Concrete, Metal, CMU, Wood, Etc.)	Notes	Condition
AD14-PB-CCR-01	Interior	Throughout	White Paint on Walls, Cabinets, Doors, Beams, Door Frames + Window Frame	Wood		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
02		OFFICE	Light Blue Paint on Walls, Window Frame + Door	Wood + Drywall		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
03		Enclosed Lanai	Red Paint on Floor	Wood		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
04			Yellow Paint on Walls, Beams	Wood		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
05		Bedroom #1	Light Green Paint on Walls + Beams + Ceilings	Drywall		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
06		Bathroom #3	Beige Paint on Walls	Wood		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
07	Exterior		White Paint on Railings, Floor, Beams + Ceilings, Door	Wood		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor

July 12, 2013



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Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1311271.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:



1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765



Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311271.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 11

Samples Analyzed: 11

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13092228	4014-PB-ASH-01	0.1585	65.0	6000.0	0.6000
13092229	4014-PB-ASH-02	0.1821	48.0	< 48.0	< 0.0048
13092230	4014-PB-ASH-03	0.0972	89.0	< 89.0	< 0.0089
13092231	4014-PB-ASH-04	0.1313	66.0	< 66.0	< 0.0066
13092232	4014-PB-ASH-05	0.2192	40.0	7700.0	0.7700
13092233	4014-PB-ASH-06	0.1158	75.0	< 75.0	< 0.0075
13092234	4014-PB-ASH-07	0.1124	77.0	< 77.0	< 0.0077
13092235	4014-PB-ASH-08	0.1259	69.0	< 69.0	< 0.0069
13092236	4014-PB-ASH-09	0.0850	100.0	100.0	0.0100
13092237	4014-PB-ASH-10	0.1084	80.0	< 80.0	< 0.0080
13092238	4014-PB-ASH-11	0.0919	95.0	< 95.0	< 0.0095

Sampled by: Client

Analyzed by: Fatima Khan

Reviewed by: Nick Ly

Date Analyzed: 07/12/2013

Date Issued: 07/12/2013

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting limit

Bench Run No: 33-0712-03

NVL Laboratories, Inc.
 4708 Aurora Ave N, Seattle, WA 98103
 Tel: 206.547.0100 Emerg. Pager: 206.344.1878
 Fax: 206.634.1936 1.888.NVL.LABS (885.5227)

CHAIN of CUSTODY
 SAMPLE LOG

NVL Batch ID
1311271

Client Enviro Services & Training
 Street 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number _____
 Client Job Number #13-4014
 Total Samples (1)

Project Manager Deana Sueoka
 Project Location Malakohana Beach Park
(AST) Aaron Security House

Turn Around Time 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 5 Days
 4-Hrs 3 Days 6 to 10 Days

Phone: 808-839-7222 Fax: 808-839-4455

Please call for TAT less than 24 Hrs
 Email address deana@gotdetc.com

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-03/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS		Inst./Det Limit Matrix		RCRA Metals	
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Paint Chips in cm	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> All R
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Mercury (Hg)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Other	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Selenium (Se)
		<input type="checkbox"/> Soil		<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Silver (Ag)
		<input checked="" type="checkbox"/> Paint Chips in %		<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Other Metals
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify)		<input type="checkbox"/> All 3
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			<input type="checkbox"/> Copper (Cu)
					<input type="checkbox"/> Nickel (Ni)
					<input type="checkbox"/> Zinc (Zn)

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
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	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/3/13</u>	
Relinquished by	"	<u>Deana Sueoka</u>	"	<u>7/5/13</u>	
Received by	<u>Nicki Fish</u>	<u>[Signature]</u>	<u>NV Labs</u>	<u>7/12/13</u>	<u>9:00am</u>
Analyzed by	<u>[Signature]</u>	<u>[Signature]</u>		<u>7/12/13</u>	<u>5:00</u>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Lead

Sample ID	Area	Interior/ Exterior	Description	Color	Condition	Substrate	Lead Conc. (mg/kg)
4014-PB-ASH-01	Aaron Security House	Interior	White Paint on Walls, Ceilings, Beams, Doors & Window Frames	White	Poor	Wood	
4014-PB-ASH-02	Aaron Security House	Interior	Beige Paint on Walls	Beige	Poor	Wood	
4014-PB-ASH-03	Aaron Security House	Interior	Blue Paint on Walls, Ceilings, Beams & Cabinets	Blue	Poor	Wood	
4014-PB-ASH-04	Aaron Security House	Exterior	White Paint on Walls & Window Frames	White	Poor	Wood	
4014-PB-ASH-05	Aaron Security House	Exterior	Grey Paint on Walls, Door & Beams	Grey	Poor	Wood	
4014-PB-ASH-06	Aaron Security House	Exterior	Pink Paint on Walls	Pink	Poor	Wood	
4014-PB-ASH-06	Aaron Security House	Exterior	Pink Paint on Walls	Pink	Poor	Wood	
4014-PB-ASH-07	Aaron Security House-Storage 1	Interior	White Paint on Ceilings & Beams	White	Poor	Wood	
4014-PB-ASH-08	Aaron Security House-Storage 1	Exterior	Pink Paint on Walls	Pink	Poor	Wood	
4014-PB-ASH-09	Aaron Security House-Storage 2	Interior	Pink Paint of Ceiling	Pink	Poor	Metal	
4014-PB-ASH-10	Aaron Security House-Storage 2	Interior	White Paint on Walls & Window Frames	White	Poor	Wood	
4014-PB-ASH-11	Aaron Security House-Storage 2	Exterior	Pink Paint on Walls	Pink	Poor	Wood	

July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



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RE: Metals Analysis; NVL Batch # 1311279.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure:



LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvlabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.694.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Batch #: 1311279.00

Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 5
Samples Analyzed: 5

Attention: Ms. Deana Sueoka

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13092337	4014-PB-GWR-01	0.0733	120.0	520.0	0.0520
13092338	4014-PB-GWR-02	0.1058	82.0	< 82.0	< 0.0082
13092339	4014-PB-GWR-03	0.1689	51.0	51.0	0.0051
13092340	4014-PB-GWR-04	0.0840	100.0	< 100.0	< 0.0100
13092341	4014-PB-GWR-05	0.2070	42.0	410.0	0.0410

Sampled by: Client

Analyzed by: Fatima Khan

Reviewed by: Nick Ly

Date Analyzed: 07/12/2013

Date Issued: 07/12/2013

A handwritten signature in black ink, appearing to read "Nick Ly", with the text "Nick Ly, Technical Director" printed below it.

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting Limit

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
 Tel: 206.847.0100 Emerg. Pager: 206.344.1878
 Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY
 SAMPLE LOG**

**NVL Batch ID
 1311279**

Client EnviroServices & Training
 Street 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number _____
 Client Job Number #13-4014
 Total Samples 5

Project Manager Deana Sueoka
 Project Location Malaekahana Beach Park
(GWR) - Game Warden Residence

Turn Around Time 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 5 Days
 4-Hrs 3 Days 6 to 10 Days

Phone: 808-839-7222 Fax: 808-839-4455

Email address deana@gotbetc.com
 Please call for TAT less than 24 Hrs

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS		Inst./Det Limit	Matrix	RCRA Metals	<input type="checkbox"/> AIA
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Paint Chips in cm	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Mercury (Hg)
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Selenium (Se)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Other	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Silver (Ag)
		<input type="checkbox"/> Soil		<input type="checkbox"/> Chromium (Cr)	
		<input checked="" type="checkbox"/> Paint Chips in %		<input checked="" type="checkbox"/> Lead (Pb)	
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
2				
3			<i>* Please see attached *</i>	
4				
5				
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10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/3/13</u>	
Relinquished by	<u>"</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/5/13</u>	
Received by	<u>Mildred Love</u>	<u>Mildred Love</u>	<u>NVL</u>	<u>7/11/13</u>	<u>9:00 AM</u>
Analyzed by	<u>Johnnie</u>	<u>Johnnie</u>	<u>NVL Labs</u>	<u>7/12/13</u>	<u>3:00 PM</u>
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Paint Sampling Sheet

Project No. #13-4014

Project Name: Maike Kahana

Inspectors' Name: Peara + Coenelio

Bldg. Name / No: Came Warden Residence

Page: 1 of 1

Date: 7-3-2013

Sample Number	Sample Location	Homogeneous Areas	Paint Description (Color, Texture, Etc.)	Substrate (Concrete, Metal, CMU, Wood, Etc.)	Notes	Condition
00A-PB-GWR-01	Interior	Throughout	White Paint on Walls, Door Frame, Ceiling, Doors, Window Frame	Wood		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor
02		Bedroom #3	Pink Paint on walls	Drywall		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor
03		Throughout	White Paint on Ceilings			<input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor
04	Exterior	Exterior	Lt. Blue on Walls, Beams, Ceilings, Door	Woods		<input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor
05			Dark Blue Paint on walls, Window Frames + Beams			<input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor
						<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
						<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor

May 10, 2013

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



RE: Metals Analysis; NVL Batch # 1307421.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

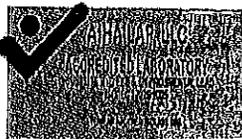
Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', is written over a circular stamp.

Nick Ly, Technical Director

Enclosure:



1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

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4708 Aurora Ave. N., Seattle, WA 98103
 Tel: 206.547.0100, Fax: 206.634.1936
 www.nvllabs.com

Analysis Report

AIHA - IH # 101881
 WA - DOE # C1765

**Total Metals**

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1307421.00

Matrix: Bulk

Method: EPA 8010

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 4

Samples Analyzed: 4

Attention: Ms. Vel Roberts
 Project Location: Malaekahana Beach Park

Lab ID	Client Sample #	Elements	Sample wt (g)	RL mg / kg	Results In mg / kg	Results In ppm
13069958	4014-Ars-CAB2-01	Arsenic (As)	0.2376	17.0	1500.0	1500.0
13069959	4014-Ars-CAB4-01	Arsenic (As)	0.2203	18.0	< 18.0	< 18.0
13069960	4014-Ars-CAB5-01	Arsenic (As)	0.2445	16.0	< 16.0	< 16.0
13069961	4014-Ars-CAB6/7-01	Arsenic (As)	0.2312	17.0	2100.0	2100.0

Sampled by: Client

Analyzed by: Jacob Blair

Reviewed by: Nick Ly

Date Analyzed: 05/09/2013

Date Issued: 05/10/2013

Nick Ly, Technical Director

mg / kg = Milligrams per kilogram

ppm = Parts per million

RL = Reporting Limit

'<' = Below the reporting Limit

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.

Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0509-02

NVL Laboratories, Inc.

4705 Aurora Ave N, Seattle, WA 98103

Tel 206.547.0100 Emerg. Cell. 206.914.4643

Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
SAMPLE LOG

NVL Batch ID
1307421

Client EnviroServices & Training CTR, LLC

Street 505 Ward Avenue, Suite 202

Honolulu, HI 96814

Project Manager Ms. Vel Roberts

Project Location Maliekahana Beach Park

NVL Batch Number

Client Job Number Four (4) - 13-4014

Total Samples Four (4)

Turn Around Time 1-Hr 8-Hrs 2 Days 5 Days
 2-Hrs 12-Hrs 3 Days 8-10 Day
 4-Hrs 24-Hrs 4 Days

Please call for TAT less than 24 Hrs

Email address vel@gotoelc.com

Cell (808) 384-9590

Phone: (808) 839-7222 Fax: (808) 839-4455

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 6	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input checked="" type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input type="checkbox"/> Other (Specify)

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample area, Sample Volume, etc)	A/R
1		CAB-2-ARS-1		
2		CAB2-ARS-1		
3		404-ARS-CAB2-01	Interior Ceiling	
4		404-ARS-CAB4-01	Interior Ceiling	
5		404-ARS-CAB5-01	Interior Ceiling	
6		404-ARS-CAB6-01	Interior Ceiling	
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	<i>[Signature]</i>	ETC		
Relinquished by	Vel Roberts	<i>[Signature]</i>	ETC	5/11/13	
Received by	Miss Raymond	<i>[Signature]</i>	NVL	5/6/13	1045 P.M.
Analyzed by	Jacob Blair	<i>[Signature]</i>	NVL	5/9/13	1315
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

July 9, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814



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RE: Metals Analysis; NVL Batch # 1311275.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

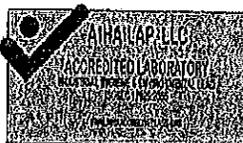
Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', written over a circular stamp.

Nick Ly, Technical Director

Enclosure:



1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

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p 206.547.0100 | f 206.634.1936

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 Tel: 206.547.0100, Fax: 206.634.1936
 www.nvllabs.com

Analysis Report

AIHA - IH # 101861
 WA - DOE # C1765

**Total Metals**

Client: EnviroServices & Training CTR, LLC
 Address: 505 Ward Avenue, Suite 202
 Honolulu, HI 96814

Batch #: 1311275.00

Matrix: Bulk

Method: EPA 8010

Client Project #: 13-4014

Date Received: 7/8/2013

Samples Received: 1

Samples Analyzed: 1

Attention: Ms. Deana Sueoka
 Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker
 Residence

Lab ID	Client Sample #	Elements	Sample wt (g)	RL mg / kg	Results In mg / kg	Results In ppm
13092293	4014-ARS-CCR-01	Arsenic (As)	0.2621	15.0	< 15.0	< 15.0

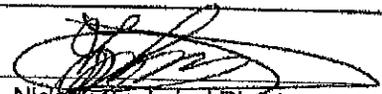
Sampled by: Client

Analyzed by: Aaron Brown

Reviewed by: Nick Ly

Date Analyzed: 07/09/2013

Date Issued: 07/09/2013


 Nick Ly, Technical Director

mg/ kg = Milligrams per kilogram

ppm = Parts per million

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 33-0709-02

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
 Tel: 206.547.0100 Emerg. Pager: 206.344.1878
 Fax: 206.634.1936 1.888.NVL.LABS (885.5227)

**CHAIN of CUSTODY
 SAMPLE LOG**

**NVL Batch ID
 1311275**

Client EnviroServices & Training
 Street 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number _____
 Client Job Number #13-4014
 Total Samples ①

Project Manager Deana Sueoka
 Project Location Malaekahana Beach Park
(COR) Chapman Caretaker Residence

Turn Around Time 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 5 Days
 4-Hrs 3 Days 6 to 10 Days

Phone: 808-839-7222 Fax: 808-839-4455

Email address deana@jotnetc.com
 Please call for TAT less than 24 Hrs

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/800/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Inst./Det Lim	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input checked="" type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Selenium (Se)	<input type="checkbox"/> Copper (Cu)
	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Silver (Ag)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)		<input type="checkbox"/> Zinc (Zn)
		<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Lead (Pb)		
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1		<u>AD14-ARS-COR-01</u>	<u>Brown Fibrous Ceiling Material - Interior</u>	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>ETC</u>	<u>7/3/13</u>	
Relinquished by	<u>Deana Sueoka</u>	<u>Deana Sueoka</u>	<u>"</u>	<u>7/5/13</u>	
Received by	<u>Allen York</u>	<u>[Signature]</u>	<u>"</u>	<u>7/13/13</u>	<u>9:00 AM</u>
Analyzed by	<u>Anna Brown</u>	<u>[Signature]</u>	<u>NA</u>	<u>7/9/15</u>	<u>19:25</u>
Results Called by					
Results Faxed by					

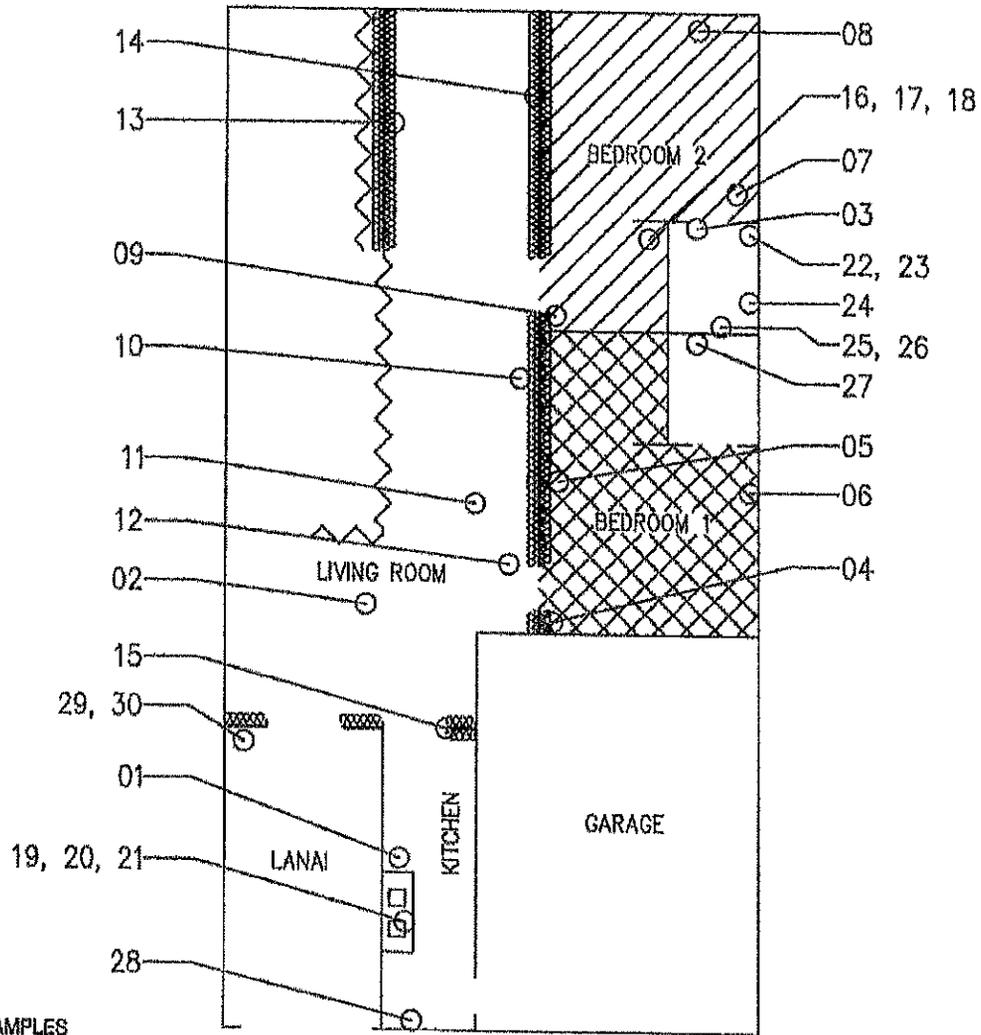
Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Appendix **IV**

MAPS

**ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 2**

ETC JOB #13-4014
MAP 1 of 8



○ ASBESTOS SAMPLES

- 4014-CAB2-01 to -03 Ceramic Floor Tile with grout (various colors)
- 4014-CAB2-04 to -06 12" x 12" Black & White checkered pattern Vinyl Floor Tile (VFT) with replacement tiles and Mastic
- 4014-CAB2-07 to -09 12" x 12" White VFT with replacement tiles and Mastic
- 4014-CAB2-10 to -12 Grey Sheet Vinyl Flooring with mastic
- 4014-CAB2-13 to -15 Drywall Walls & Ceilings
- 4014-CAB2-16 to -18 Sink Counter Caulking
- 4014-CAB2-19 to -21 Kitchen Counter Caulking
- 4014-CAB2-22 to -24 Shower Caulking
- 4014-CAB2-25 to -27 Cementitious Shower Wall Panels
- 4014-CAB2-28 to -30 Black Asphaltic Roofing Material

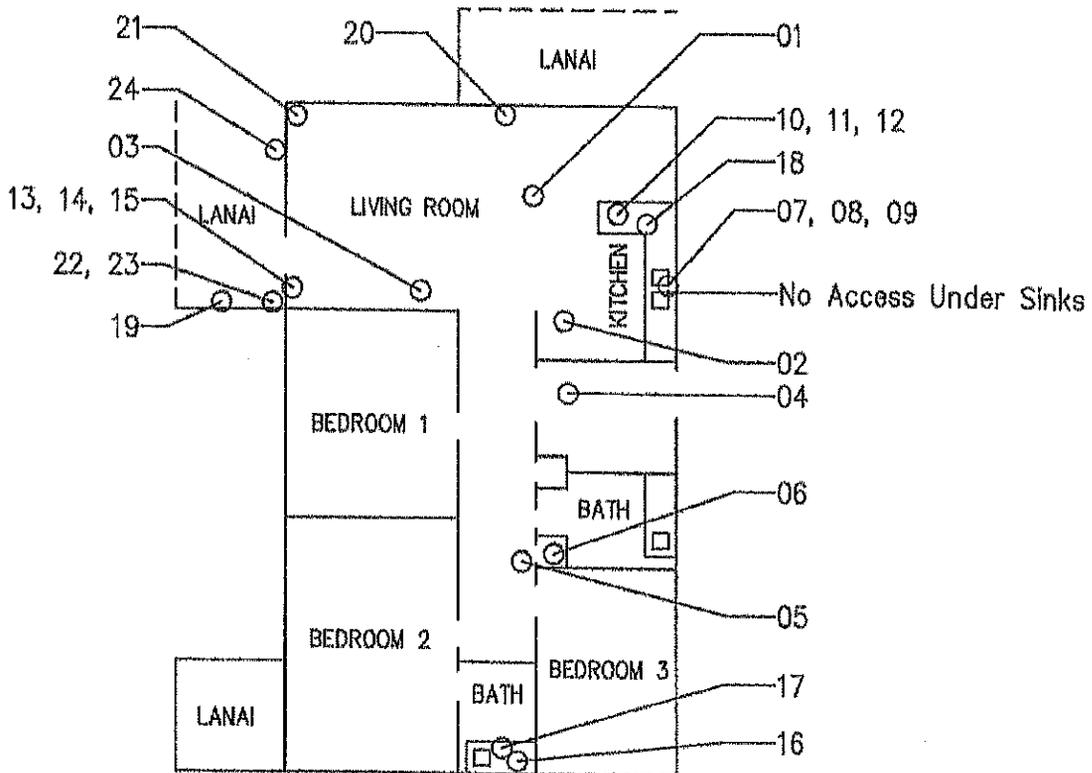
ASBESTOS CONTAINING MATERIALS (ACM)

-  4014-CAB2-04 to -06 12" x 12" Black & White checkered pattern Vinyl Floor Tile (VFT) with replacement tiles and Mastic
-  4014-CAB2-07 to -09 12" x 12" White VFT with replacement tiles and Mastic
-  4014-CAB2-13 to -15 Drywall Walls
Drywall Ceiling
-  4014-CAB2-28 to -30 Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

ASBESTOS SAMPLE LOCATIONS
 HAZARDOUS MATERIALS SURVEY REPORT
 MALAEKAHANA BEACH PARK
 CABIN 3

ETC JOB #13-4014
 MAP 2 of 8



○ ASBESTOS SAMPLES

- 4014-CAB3-01 to -03 12" x 12" Green Vinyl Floor Tile (VFT) with Mastic
- 4014-CAB3-04 to -08 Brown Cementitious Flooring with Mastic
- 4014-CAB3-07 to -09 Kitchen Sink Caulking
- 4014-CAB3-10 to -12 Cementitious Wall Panels (Interior)
- 4014-CAB3-13 to -15 Drywall Walls
- 4014-CAB3-16 to -18 Ceramic Counter Tiles with Grout (various colors)
- 4014-CAB3-19 to -21 Black Asphaltic Roofing Material
- 4014-CAB3-22 to -24 Cementitious Wall Panels (Exterior)

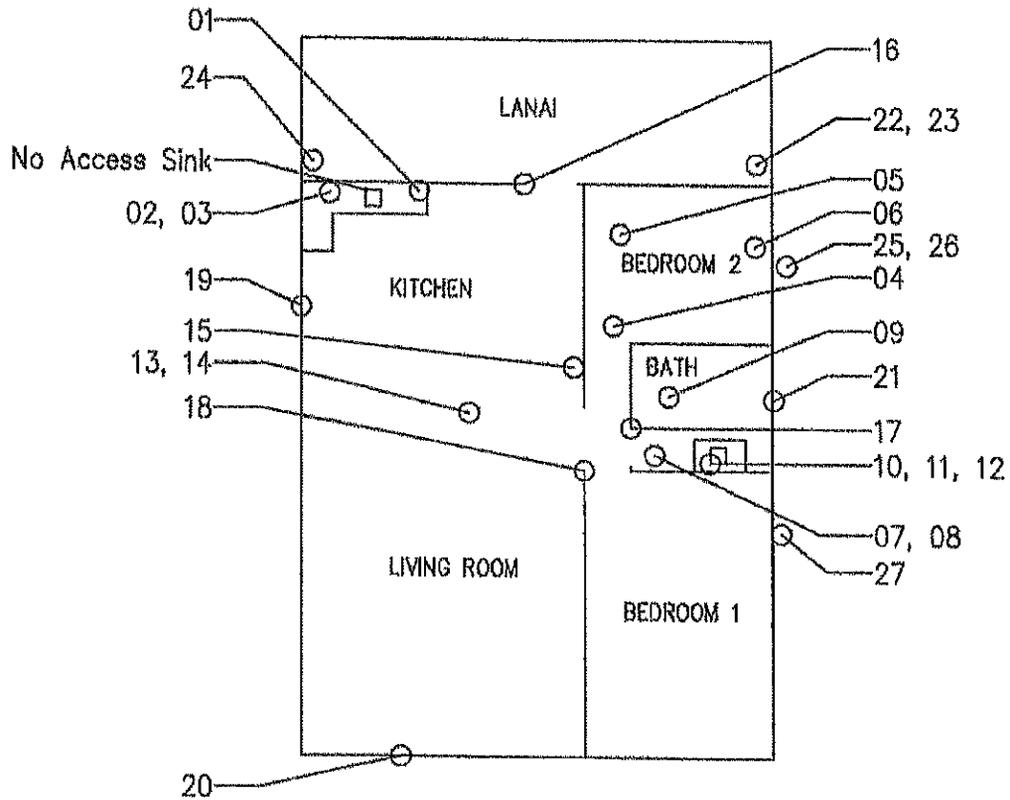
ASBESTOS CONTAINING MATERIALS (ACM)

- 4014-CAB3-19 to -21 Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 4

ETC JOB #13-4014
MAP 3 of 6



○ ASBESTOS SAMPLES

- 4014-CAB4-01 to -03 Kitchen Counter Caulking
- 4014-CAB4-04 to -06 Grey Sheet Vinyl Flooring
- 4014-CAB4-07 to -09 Multi-color Ceramic Floor Tiles with Mastic
- 4014-CAB4-10 to -12 Bathroom Sink Caulking
- 4014-CAB4-13 to -15 Grey Flooring Panels
- 4014-CAB4-16 to -18 Door Caulking
- 4014-CAB4-19 to -21 Window Caulking
- 4014-CAB4-22 to -24 Black Asphaltic Roofing Material
- 4014-CAB4-25 to -27 Cementitious Wall Panels (Exterior) (Exterior)

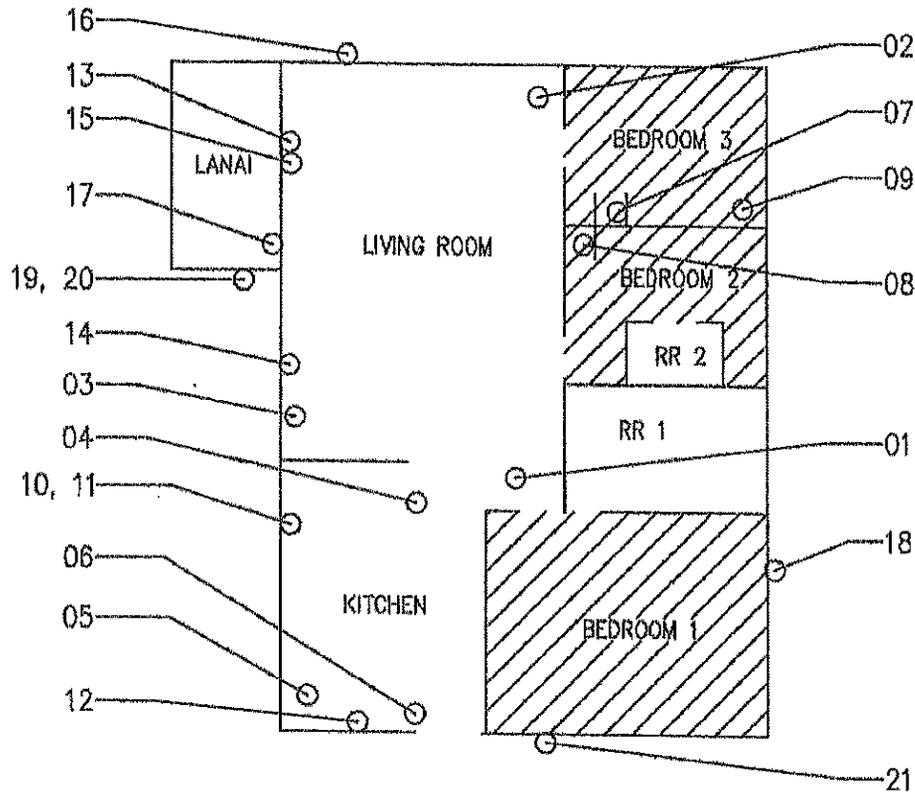
ASBESTOS CONTAINING MATERIALS (ACM)

- 4014-CAB4-22 to -24 Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

ASBESTOS SAMPLE LOCATIONS
 HAZARDOUS MATERIALS SURVEY REPORT
 MALAEKAHANA BEACH PARK
 CABIN 5

ETC JOB #13-4014
 MAP 4 of 6



○ ASBESTOS SAMPLES

- 4014-CAB5-01 to -03 12" x 12" White with Black Specks Vinyl Floor Tile (VFT) and Mastic under carpet
- 4014-CAB5-04 to -06 12" x 12" Grey VFT with replacement tiles and Mastic
- 4014-CAB5-07 to -09 9" x 9" Black VFT and Mastic under carpet
- 4014-CAB5-10 to -12 Drywall Walls
- 4014-CAB5-13 to -16 Cementitious Wall Panels (interior)
- 4014-CAB5-18 to -18 Cementitious Wall Panels (exterior)
- 4014-CAB5-19 to -21 Black Asphaltic Roofing Material

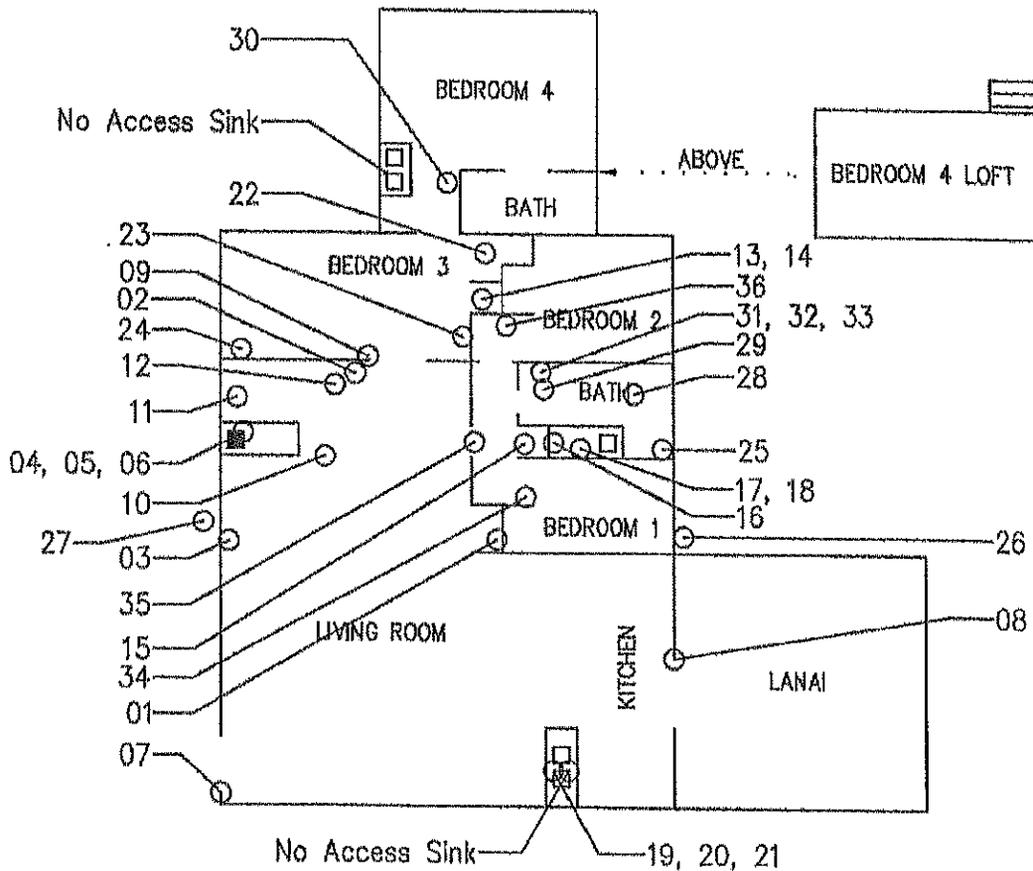
ASBESTOS CONTAINING MATERIALS (ACM)

-  4014-CAB2-07 to -09 9" x 9" Black VFT and Mastic under carpet

NOT TO SCALE

ASBESTOS SAMPLE LOCATIONS
 HAZARDOUS MATERIALS SURVEY REPORT
 MALAEKAHANA BEACH PARK
 CABIN 6 & 7

ETC JOB #13-4014
 MAP 6 of 6



○ ASBESTOS SAMPLES

- 4014-AB-01 to -03 Drywall Walls
- 4014-AB-04 to -06 Grey Sink Undercoat
- 4014-AB-07 to -09 Door Caulking
- 4014-AB-10 to -12 12" x 12" Blue Textured Vinyl Floor Tile (VFT) and Mastic under ceramic tiles
- 4014-AB-13 to -16 12" x 12" Light Blue Textured VFT with Mastic
- 4014-AB-18 to -18 Counter Caulking
- 4014-AB-19 to -21 Counter Caulking
- 4014-AB-22 to -24 Blue Sheet Vinyl Flooring with Mastic
- 4014-AB-25 to -27 Black Asphaltic Roofing Material
- 4014-AB-28 to -30 Cementitious Flooring with Mastic
- 4014-AB-31 to -33 Shower Caulking
- 4014-AB-24 to -36 Multi-color Ceramic Floor Tile with replacement tiles

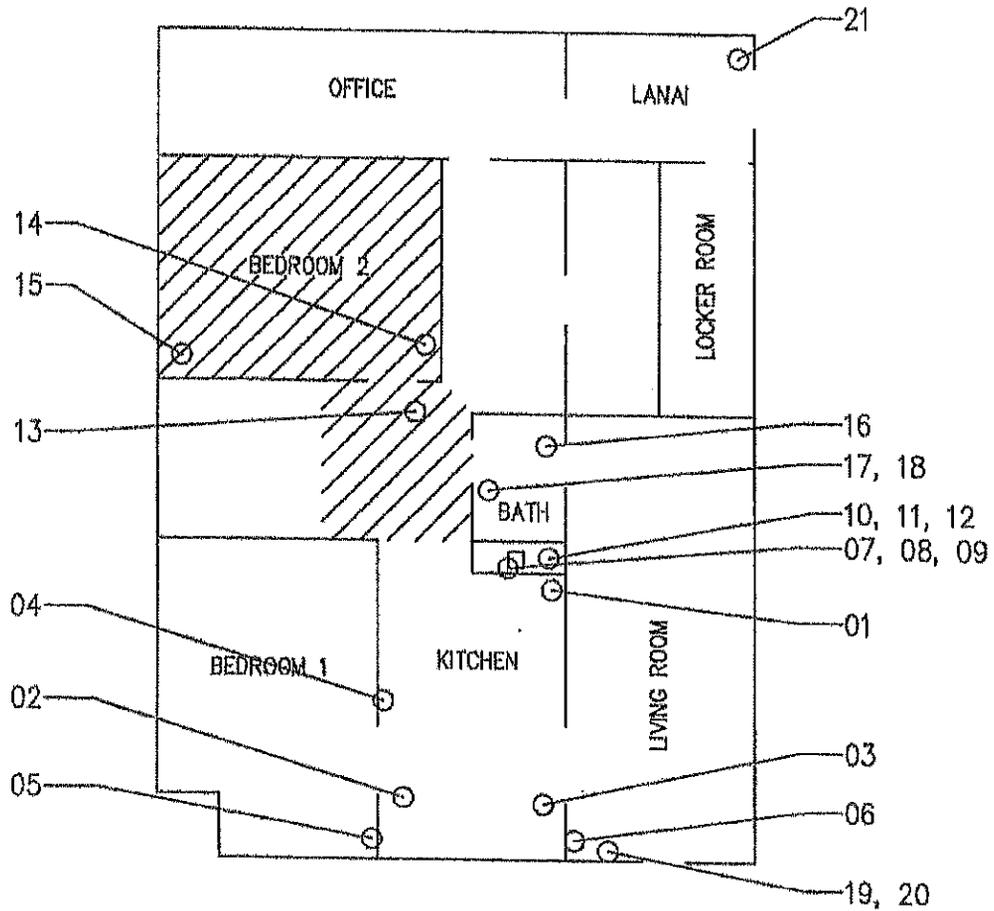
ASBESTOS CONTAINING MATERIALS (ACM)

- 4014-AB-04 to -06 Grey Sink Undercoat
- 4014-AB-25 to -27 Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

ASBESTOS SAMPLE LOCATIONS
 HAZARDOUS MATERIALS SURVEY REPORT
 MALAEKAHANA BEACH PARK
 SECURITY OFFICE

ETO JOB #13-4014
 MAP 6 of 8



○ ASBESTOS SAMPLES

- 4014-OFFICE-01 to -03 12" x 12" White and Blue Checkered Pattern Vinyl Floor Tile (VFT) and Mastic
- 4014-OFFICE-04 to -06 Drywall Walls & Ceiling
- 4014-OFFICE-07 to -09 Kitchen Counter Caulking
- 4014-OFFICE-10 to -12 Ceramic Tile Counter with Grout
- 4014-OFFICE-13 to -15 12" x 12" White VFT and Mastic
- 4014-OFFICE-16 to -18 Ceramic Tile Counter with Grout
- 4014-OFFICE-19 to -21 Black Asphaltic Roofing Material

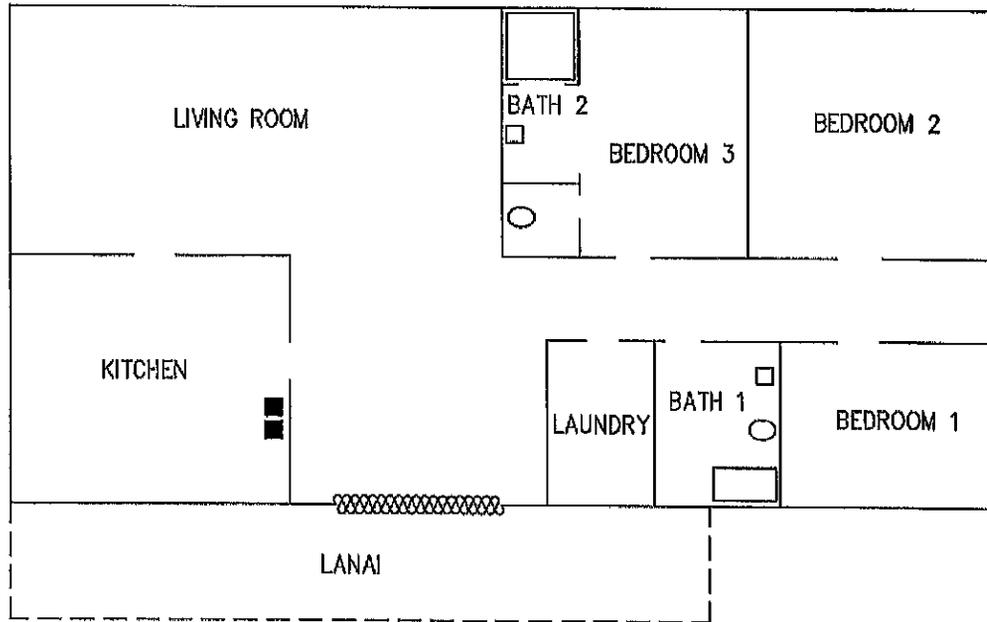
ASBESTOS CONTAINING MATERIALS (ACM)

-  4014-OFFICE-13 to -15 12" x 12" White VFT and Mastic

NOT TO SCALE

ASBESTOS CONTAINING MATERIALS (ACM)
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
SECURITY RESIDENCE (GAME WARDEN RESIDENCE)

ETC JOB #13-4014
MAP 1 of 6



ASBESTOS CONTAINING MATERIALS (ACM)

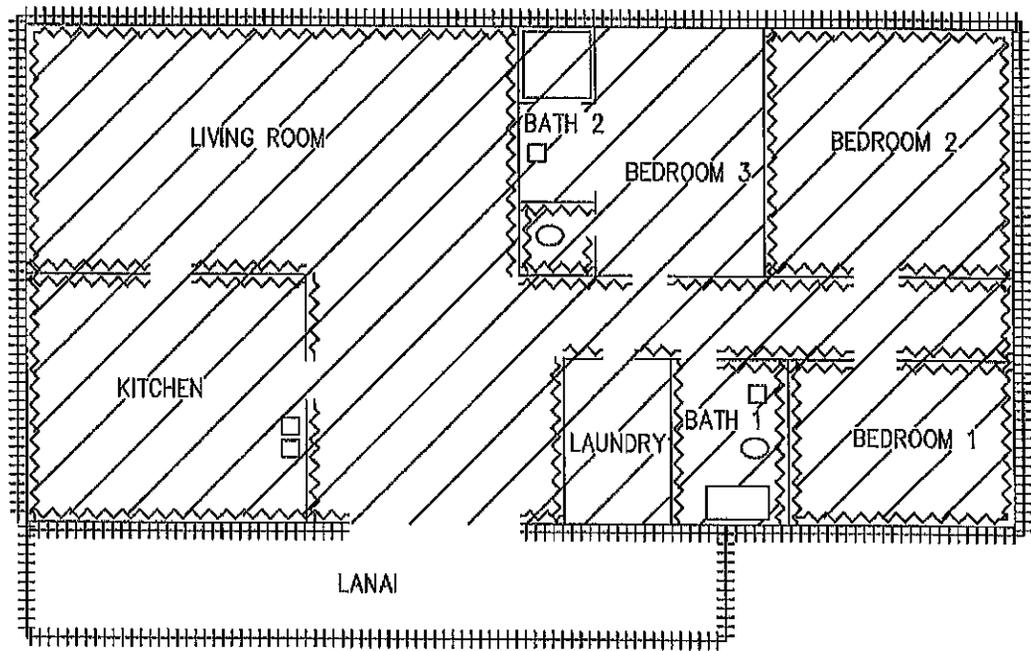
■ 4014-GWR-07 White Sink Undercoat

~~~~~ 4014-GWR-25 Sliding Door Caulking

NOT TO SCALE

LEAD CONTAINING PAINT (LCP)  
HAZARDOUS MATERIALS SURVEY REPORT  
MALAEKAHANA BEACH PARK  
SECURITY RESIDENCE (GAME WARDEN RESIDENCE)

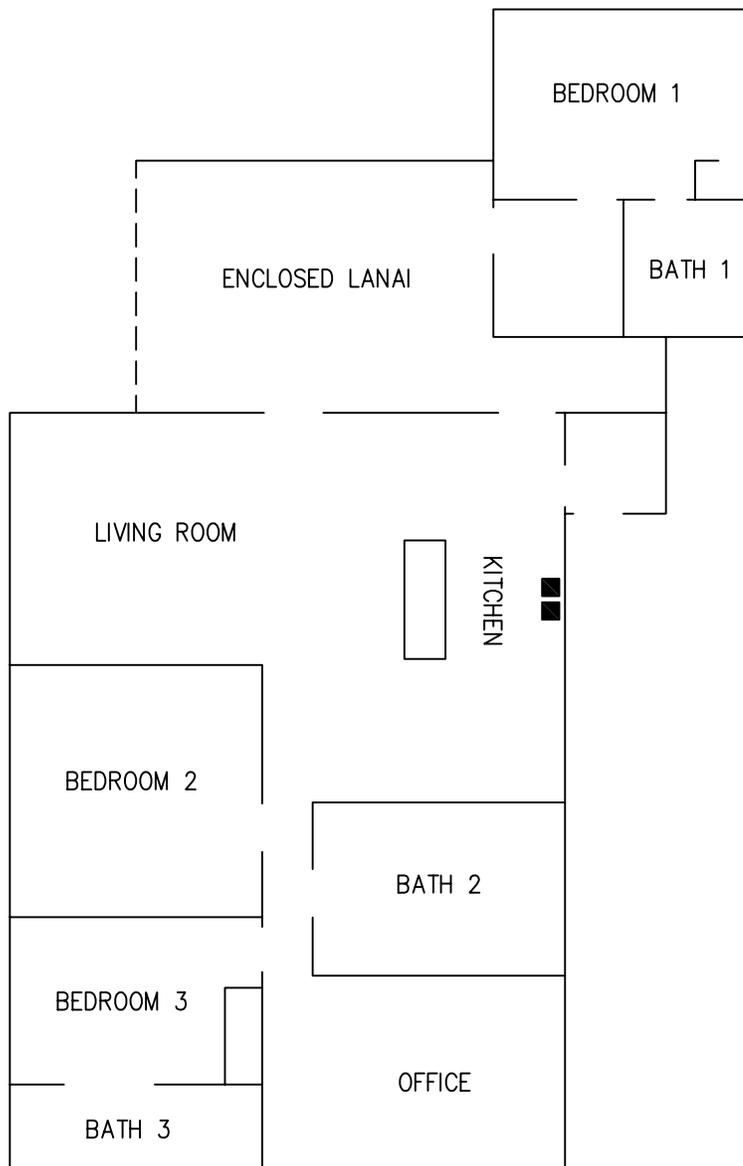
ETG JOB #13-4014  
MAP 2 of 6



LEAD CONTAINING PAINT (LCP)

- ~~~~-4014-PB-GWR-01 White Paint on Wood - Walls, Door Frame, Ceiling, Doors & Window Frame (poor condition)
- ▨ 4014-PB-GWR-03 White Paint on Drywall - Ceiling (poor condition)
- ++++-4014-PB-GWR-05 Dark Blue Paint on Wood - Walls, Beams & Window Frame (poor condition)

NOT TO SCALE



ASBESTOS CONTAINING MATERIALS (ACM)



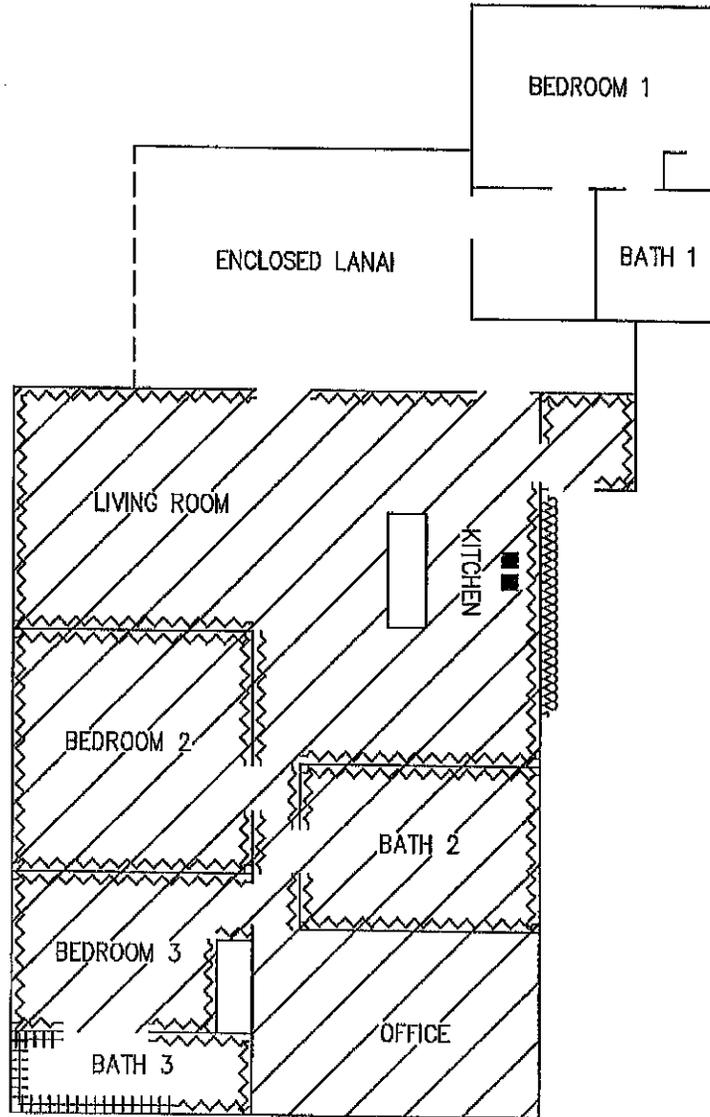
4014-CCR-22 Black Sink Undercoat

4014-CCR-46 Brown & Black Pipe Penetration Sealant (Exterior Roof)

NOT TO SCALE

LEAD CONTAINING PAINT (LCP)  
HAZARDOUS MATERIALS SURVEY REPORT  
MALAEKAHANA BEACH PARK  
CARETAKER HOUSE (CRAIG CHAPMAN'S RESIDENCE)

ETC JOB #13-4014  
MAP 4 of 6



LEAD CONTAINING PAINT (LCP)

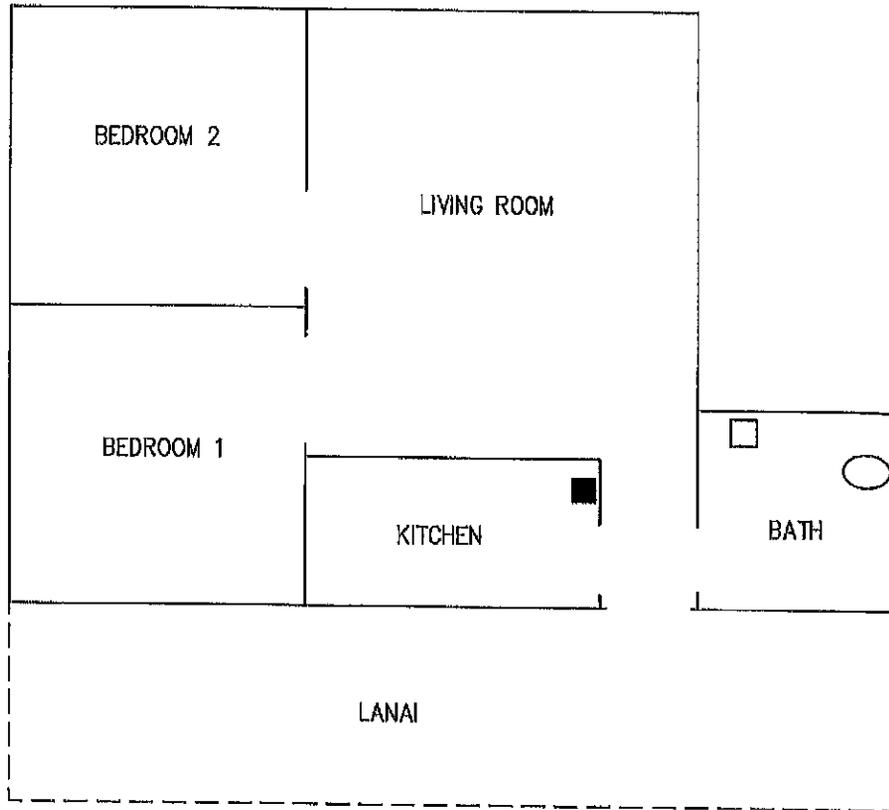


4014-PB-CCR-01 White Paint on Wood - Walls, Doors, Beams, Cabinets, Door Frames, Window Frames & Ceilings

||||| 4014-PB-CCR-06 Beige Paint on Wood Walls

~~~~~ 4014-PB-CCR-09 Beige/Yellow Paint on Pipes & Junction Box

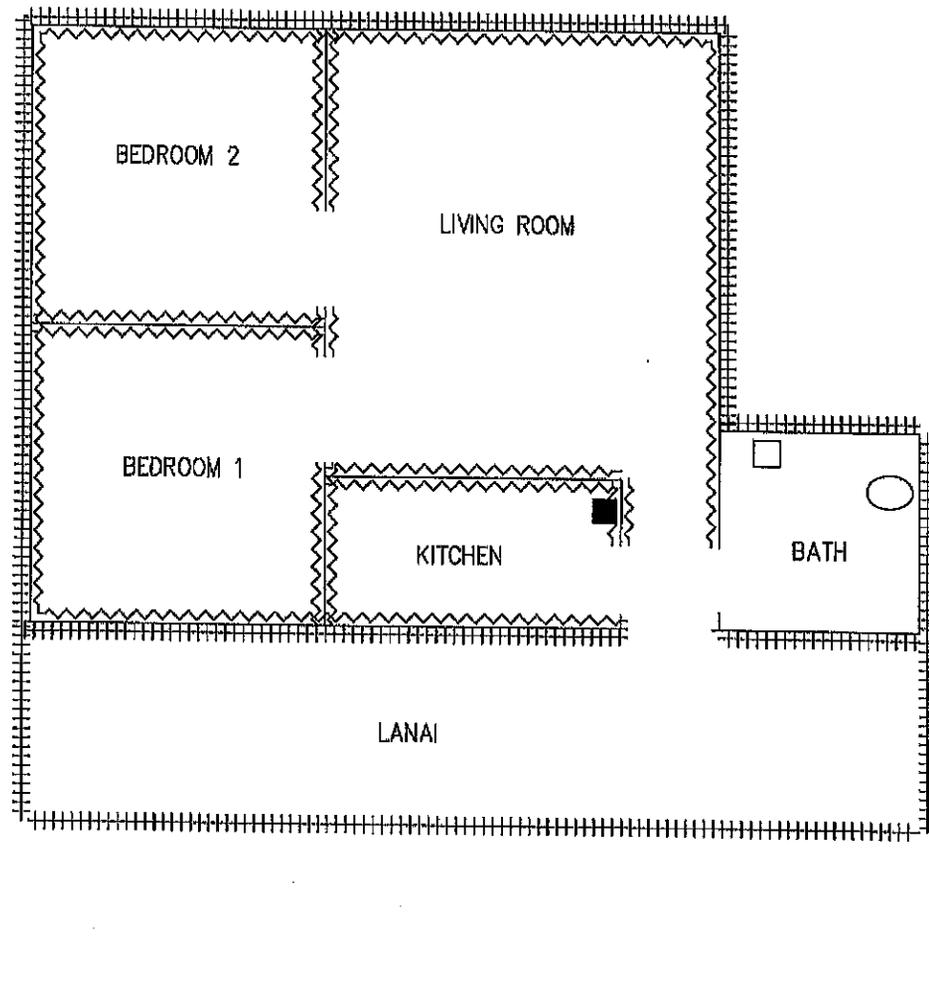
NOT TO SCALE



ASBESTOS CONTAINING MATERIALS (ACM)

■ 4014-ASH-22 Black Sink Undercoat

NOT TO SCALE



LEAD BASED PAINT (LBP) - Lead Content Greater Than 5000 mg/kg

~~~~~ 4014-PB-ASH-01 White Paint on Wood - Walls, Ceilings, Beams, Doors & Window Frames (poor condition)

---- 4014-PB-ASH-05 Grey Paint on Wood - Walls, Door, Beams (poor condition)

LEAD CONTAINING PAINT (LCP) - Lead Content Less Than 5000 mg/kg

// 4014-PB-ASH-09 Pink Paint on Metal - Ceiling (poor condition)

NOT TO SCALE