CONTENTS

I. PROJECT BACKGROUND

II. OBJECTIVES

III. METHODOLOGY

IV. FINDINGS AND RECOMMENDATIONS
   2006 International Building Code
   City and County of Honolulu Land Use Ordinance (Chapter 21)
   Special Management Area
   Shoreline Setback
   Chapter 343, Hawaii Revised Statutes
   2010 Americans with Disabilities Act Standards for Accessible Design
   Environmental Survey
   Cabin 2 - Findings and Recommendations
   Cabin 3 - Findings and Recommendations
   Cabin 4 - Findings and Recommendations
   Cabin 5 - Findings and Recommendations
   Cabin 6 and 7 - Findings and Recommendations
   Security Residence - Findings and Recommendations

V. SUMMARY

VI. APPENDICES
   TMK Sheets
   Flood Hazard Assessment Reports
   Excerpts from 2006 International Building Code
   Excerpts from 2010 Americans with Disabilities Act Standards
   Hazardous Materials Survey Report
   Shoreline Certification
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.
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.
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 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 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-frangible 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 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 10.85'.

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 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.
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 FEMA Flood Zone X.

The Cabin is located within the FEMA Flood Zone X.

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.
ASSESSMENT MATRIX

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

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>CABIN 2</th>
<th>CABIN 3</th>
<th>CABIN 4</th>
<th>CABIN 5</th>
<th>CABIN 6 &amp; 7</th>
<th>SECURITY RESIDENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEMA Flood Hazard</td>
<td>X</td>
<td>X</td>
<td>VE</td>
<td>AE</td>
<td>VE</td>
<td>X</td>
</tr>
<tr>
<td>Tsunami Inundation Zone</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SMA</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>40’ Shoreline Setback</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hazardous Material</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asbestos</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Lead Paint</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Arsenic</td>
<td>Yes</td>
<td>No</td>
<td>Yes*</td>
<td>Yes*</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Mercury Containing Lamps</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Building Condition**</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
</tr>
<tr>
<td>ADA Compliant***</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Historic****</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

* 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.
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 21-8.10 Part 6 Flood Fringe District and Section 21-8.10 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: Kahuku
Zip Code: 96731
Realtor Neighborhood: Malaekahana

Nearest Park: Laie Beach Park

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: Kahu\k High/Inter Sch
Address: 56-490 Kamehameha Hwy
Neighborhood Board: KOOLAUOA

School and Transit Information
Elementary School: Laie
High School: KAHUKU
Near Transit Route: Yes
Near Bus Routes: 55, 88A

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

Public Safety Info

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

© 2013 City and County of Honolulu. All Rights Reserved

http://gis.hicentral.com/pubwebsite/TMKDetails.aspx?tmk=56001023&lyrLst=0|0|0|0|0|0|0... 6/4/2013
56-291 KAM HWY

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
Real Estate Neighborhood: Malaekahana

Nearest Park: Laie Beach Park

Tax Bill Owner Information
Name: STATE OF HAWAII
Type: Fee Owner
Address: >
City State Zip: 

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: Koolaula

School and Transit Information
Elementary School: Laie
High School: KAHUKU
Near Transit Route: Yes
Near Bus Routes: 55, 88A

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

More public safety info >>

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.
56-295 KAM HWY

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: Kāhuku
- Zip Code: 96731
- Realtor Neighborhood: Malaekahana

Nearest Park: Laie Beach Park

Tax Bill Owner Information
- Name: STATE OF HAWAII
- Type: Fee Owner
- Address: >

2010 Census Information
- Tract Number: 010202
- Block Number: 4028
- Population (block): 35

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

School and Transit Information
- Elementary School: Laie
- High School: KAHUKU
- Near Transit Route: Yes
- Near Bus Routes: 55, 88A

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

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

© 2013 City and County of Honolulu. All Rights Reserved

http://gis.hicentral.com/pubwebsite/TMKDetails.aspx?tmk=56001045&lyrLst=0|0|0|0|0|0|0|0|... 6/3/2013
General Information

TMK: 56001046:0000
Building Value: $0.00
Building Exemption: $0.00
Land Value: $100.00
Land Exempt: $100.00
Acres: 0
Square Feet: 0
Property Tax Class: Residential
City: Kahuku
Zip Code: 96731
Realtor Neighborhood: Malaekahana

Nearest Park:

Tax Bill Owner Information

<table>
<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>&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2010 Census Information

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

School and Transit Information

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

Zoning and Flood Information

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

more public safety info >>
56-349 A KAM HWY

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: STATE OF HAWAII
- Type: Fee Owner
- Address: >

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: KOOLAUO

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 >>
56-349 B KAM HWY

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: STATE OF HAWAII
  Type: Fee Owner
  Address: >

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
- High School: KAHUKU
- Near Transit Route: Yes
- Near Bus Routes: 55, 88A

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

more public safety info >>
56-335 E KAM HWY

General Information
- TMK: 56001049.0000
- Building Value: $82,100.00
- Building Exemption: $82,100.00
- Land Value: $1,630,900.00
- Land Exempt: $1,630,900.00
- Acres: 1
- Square Feet: 0
- Property Tax Class: Residential
- City: Kahuku
- Zip Code: 96731
- Realtor Neighborhood: Malaekahana

Nearest Park:

Tax Bill Owner Information
- Name: STATE OF HAWAII
- Type: Fee Owner
- Address:
- Address 2:
- City State Zip:

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:

Voting Information
- City Council Member: Ernest Y. Martin
- Polling Place: Kahuku High/Inter Sch
- Address: 56-450 Kamehameha Hwy
- Neighborhood Board: KOOLAULOA

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

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.
56-335 C KAM HWY

General Information
- TMK: 56001051:0000
- Building Value: $0.00
- Building Exemption: $0.00
- Land Value: $1,650,500.00
- Land Exempt: $1,650,500.00
- Acres: 1
- Square Feet: 0
- Property Tax Class: Residential
- City: Kahuku
- Zip Code: 96731
- Realtor Neighborhood: Malaekahana

Nearest Park:

Tax Bill Owner Information
- Name: STATE OF HAWAII
- Type: Fee Owner
- Address: >
- Address 2: 
- City State Zip: 

2010 Census Information
- Tract Number: 010202
- Block Number: 4028
- Population (block): 

Voting Information
- City Council Member: Ernest Y. Martin
- Polling Place: Kahuku High/Inter Sch
- Address: 35
- Neighborhood Board: KOOLAULOA

School and Transit Information
- Elementary School: Lalie
- High School: KAHUKU
- Near Transit Route: 
- Near Bus Routes: 

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

more public safety info >>
56-289 KAM HWY

General Information
- TMK: 56001053.0000
- Building Value: $380,000.00
- Building Exemption: $380,000.00
- Land Value: $2,161,500.00
- Land Exempt: $2,161,500.00
- Acres: 2
- Square Feet: 0
- Property Tax Class: Residential
- City: Kahuku
- Zip Code: 96731
- Realtor Neighborhood: Malaekahana

Nearest Park: Laie Beach Park

Tax Bill Owner Information
- Name: STATE OF HAWAII
- Type: Fee Owner
- Address: >
- Address 2: >
- City State Zip: >

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
- High School: KAHUKU
- 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

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.

http://gis.hicentral.com/pubwebsite/TMKDetails.aspx?tmk=56001053&lyrLst=0|0|0|0|0|0|... 6/4/2013
56-335 KAM HWY

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

Tax Bill Owner Information
Name: STATE OF HAWAII
Type: Fee Owner
Address: >

2010 Census Information
Tract Number: 010202
Block Number: 4028
Population (block): 35

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

School and Transit Information
Elementary School: Laie
High School: KAHUKU
Near Transit Route: Yes
Near Bus Routes: 55, 88A

Zoning and Flood Information
Zoning (LUD) 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

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.

http://gis.hicentral.com/pubwebsite/TMKDetails.aspx?tmk=56001055&lyrLst=0/0/0/0/0/0/...
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

<table>
<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>&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: Koolaupoko

School and Transit Information

- Elementary School: Laie KAHUKU S S
- High School: Yes
- Near Transit Route: 55, 88A
- Near Bus Routes:

Zoning and Flood Information

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

more public safety info >>
56-335 B KAM HWY

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
<th>Address 2</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE OF HAWAII</td>
<td>Fee Owner</td>
<td>&gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
High School: KAHUKU
Near Transit Route: Yes
Near Bus Routes: show route

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

more public safety info >>

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, 2006.
56-321 KAM HWY

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

Tax Bill Owner Information
Name: STATE OF HAWAII
Type: Fee Owner
Address: >
City State Zip: >

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
High School: KAHUKU
Near Transit Route: Yes
Near Bus Routes: 55, 88A

Zoning and Flood Information
Zoning (LUD) Designation: R-5
Ohana Zoning Designation: Ineligible
FEMA Flood Designation: VE / X
Tsunami Evacuation Zone: Yes
General Information

TMK: 56001060:0000
Building Value: $77,000.00
Building Exemption: $77,000.00
Land Value: $1,424,300.00
Land Exempt: $1,424,300.00
Acres: 1
Square Feet: 0
Property Tax Class: Residential
City: Kahuku
Zip Code: 96731
Realtor Neighborhood: Malaekahana

Nearest Park: Laie Beach Park

Tax Bill Owner Information

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Address 2</th>
<th>City State Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE OF HAWAII</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fee Owner</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: KOOLAUOA

School and Transit Information

Elementary School: Laie KAHUKU
High School: Yes
Near Transit Route: KAHUKU
Near Bus Routes: 55, 88A

Zoning and Flood Information

Zoning (LUID) Designation: R-5
FEMA Flood Designation: Ineligible
Tsunami Evacuation Zone: Yes

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.
56-335 F KAM HWY

General Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMK</td>
<td>56001061.0000</td>
</tr>
<tr>
<td>Building Value</td>
<td>$0.00</td>
</tr>
<tr>
<td>Building Exemption</td>
<td>$0.00</td>
</tr>
<tr>
<td>Land Value</td>
<td>$1,594,100.00</td>
</tr>
<tr>
<td>Land Exempt</td>
<td>$1,594,100.00</td>
</tr>
<tr>
<td>Acres</td>
<td>1</td>
</tr>
<tr>
<td>Square Feet</td>
<td>0</td>
</tr>
<tr>
<td>Property Tax Class</td>
<td>Residential</td>
</tr>
<tr>
<td>City</td>
<td>Kahuku</td>
</tr>
<tr>
<td>Zip Code</td>
<td>96731</td>
</tr>
<tr>
<td>Realtor Neighborhood</td>
<td>Malaekahana</td>
</tr>
</tbody>
</table>

Nearest Park: [Image]

Tax Bill Owner Information

<table>
<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>&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2010 Census Information

| Tract Number   | 010202     |
| Block Number   | 4028       |
| Population     | 35         |

Voting Information

<table>
<thead>
<tr>
<th>City Council Member</th>
<th>Polling Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ernest Y. Martin</td>
<td>Kahuku High/Int</td>
</tr>
<tr>
<td></td>
<td>Sch</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>56-490 Kamehameha Hwy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neighborhood Board</td>
<td>KOOLAULOA</td>
</tr>
</tbody>
</table>

School and Transit Information

<table>
<thead>
<tr>
<th>Elementary School</th>
<th>Laie</th>
<th>show route</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td>KAHUKU</td>
<td>show route</td>
</tr>
</tbody>
</table>

Zoning and Flood Information

<table>
<thead>
<tr>
<th>Zoning (LUO) Designation</th>
<th>R-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohana Zoning Designation</td>
<td>Ineligible</td>
</tr>
<tr>
<td>FEMA Flood Designation</td>
<td>VE / VE / AEF / AEF</td>
</tr>
<tr>
<td>Tsunami Evacuation Zone</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

© 2013 City and County of Honolulu. All Rights Reserved

http://gis.hicentral.com/pubwebsite/TMKDetails.aspx?tmk=56001061&lyrLst=0|0|0|0|0|0|0|0|... 6/3/2013
56-335 D KAM HWY

General Information
- TMK: 56001062.0000
- Building Value: $111,800.00
- Building Exemption: $111,800.00
- Land Value: $1,668,500.00
- Land Exempt: $1,668,500.00
- Acres: 1
- Square Feet: 0
- Property Tax Class: Residential
- City: Kahuku
- Zip Code: 96731
- Realtor Neighborhood: Malaekahana

Nearest Park: 

Tax Bill Owner Information
- Name: STATE OF HAWAII
- Type: Fee Owner
- Address: 
- Address 2: 
- City: 
- State: 
- Zip: 

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: 56-460 Kamehameha Hwy
- Neighborhood Board: KOOLAUOLA

School and Transit Information
- Elementary School: Laie
- High School: KAHUKU
- Near Transit Route: 
- Near Bus Routes: 

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

more public safety info >>
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: STATE OF HAWAII
Type: Fee Owner
Address: >

2010 Census Information

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

School and Transit Information

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

Voting Information

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

Zoning and Flood Information

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

more public safety info >>
General Information

- TMK: 56001064:0000
- Building Value: $86,800.00
- Building Exemption: $86,800.00
- Land Value: $291,100.00
- Land Exempt: $291,100.00
- Acres: 3
- Square Feet: 0
- Property Tax Class: Residential
- City: Kahuku
- Zip Code: 96731
- Realtor Neighborhood: Malaekahana

Nearest Park: Laie Beach Park

Tax Bill Owner Information

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

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

More public safety info >>
General Information

TMK: 56001065.0000
Building Value: $164,600.00
Building Exemption: $164,600.00
Land Value: $215,200.00
Land Exempt: $215,200.00
Acres: 5
Square Feet: 0
Property Tax Class: Residential
City: Kahuku
Zip Code: 96731
Realtor Neighborhood: Malaekahana

Nearest Park:

Tax Bill Owner Information

<table>
<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>&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Zoning and Flood Information

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

more public safety info >>
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 AEZ:** 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 A:** 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
- **KAHUJU, HI 96731
- **FIRM INDEX DATE:** JANUARY 19, 2011
- **LETTER OF MAP CHANGE(S):** NONE
- **FEMA FIRM PANEL(S):** 1500C0045G
- **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 Sui-Li, CFM
  - (808) 768-2098

- **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.
### GENERAL BUILDING HEIGHTS AND AREAS

#### TABLE 503
**ALLOWABLE HEIGHT AND BUILDING AREAS**

Height limitations shown as stories and feet above grade plane. Area limitations as determined by the definition of “Area, building,” per story

<table>
<thead>
<tr>
<th>TYPE OF CONSTRUCTION</th>
<th>HGT(ft)</th>
<th>TYPE I</th>
<th>TYPE II</th>
<th>TYPE III</th>
<th>TYPE IV</th>
<th>TYPE V</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HGT(S)</td>
<td>A</td>
<td>B</td>
<td>A</td>
<td>B</td>
<td>HT</td>
</tr>
<tr>
<td>A-1</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>8,500</td>
<td>15,000</td>
</tr>
<tr>
<td>A-2</td>
<td>UL</td>
<td>11</td>
<td>3</td>
<td>14,000</td>
<td>8,500</td>
<td>15,000</td>
</tr>
<tr>
<td>A-3</td>
<td>UL</td>
<td>11</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>A-4</td>
<td>UL</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
<td>2</td>
</tr>
<tr>
<td>A-5</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>B</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>C</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>D</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>E</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>F</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
<tr>
<td>G</td>
<td>UL</td>
<td>5</td>
<td>3</td>
<td>14,000</td>
<td>9,500</td>
<td>15,000</td>
</tr>
</tbody>
</table>

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.

---

2006 INTERNATIONAL BUILDING CODE®
TYPES OF CONSTRUCTION

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 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.
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>
<thead>
<tr>
<th>BUILDING ELEMENT</th>
<th>TYPE I</th>
<th>TYPE II</th>
<th>TYPE III</th>
<th>TYPE IV</th>
<th>TYPE V</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>A²</td>
<td>B</td>
<td>HT</td>
</tr>
<tr>
<td>Structural frame</td>
<td>3²</td>
<td>2²</td>
<td>1</td>
<td>0</td>
<td>HT</td>
</tr>
<tr>
<td>Bearing walls</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exterior</td>
<td>3</td>
<td>2²</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Interior</td>
<td>3</td>
<td>2²</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Nonbearing walls and partitions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exterior</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor construction</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Including supporting beams and joists</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof construction</td>
<td>1¹/₂</td>
<td>1²</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

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<sup>a, e</sup>

<table>
<thead>
<tr>
<th>FIRE SEPARATION DISTANCE = X (feet)</th>
<th>TYPE OF CONSTRUCTION</th>
<th>OCCUPANCY GROUP H</th>
<th>OCCUPANCY GROUP F-1, M, S-1</th>
<th>OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U&lt;sup&gt;b&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>X &lt; 5&lt;sup&gt;c&lt;/sup&gt;</td>
<td>All</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>5 ≤ X &lt; 10</td>
<td>IA</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Others</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>10 ≤ X &lt; 30</td>
<td>IA, IB</td>
<td>2</td>
<td>1</td>
<td>1&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>IIB, VB</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Others</td>
<td>1</td>
<td>1</td>
<td>1&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
<tr>
<td>X ≥ 30</td>
<td>All</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>MINIMUM NOMINAL SOLID SAWN SIZE</th>
<th>MINIMUM GLUED-LAMINATED NET SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width, inch</td>
<td>Depth, inch</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
</tr>
</tbody>
</table>

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

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. Non-dwelling 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

<table>
<thead>
<tr>
<th>Development Standard</th>
<th>R-3.5</th>
<th>R-5</th>
<th>R-7.5</th>
<th>R-10</th>
<th>R-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum lot area (square feet)</td>
<td>3,500</td>
<td>5,000</td>
<td>7,500</td>
<td>10,000</td>
<td>20,000</td>
</tr>
<tr>
<td>One-family dwelling, detached, and other uses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two-family dwelling, detached</td>
<td>7,000</td>
<td>7,500</td>
<td>14,000</td>
<td>Use not permitted</td>
<td>Use not permitted</td>
</tr>
<tr>
<td>Duplex</td>
<td>3,500</td>
<td>3,750</td>
<td>7,000</td>
<td>Use not permitted</td>
<td>Use not permitted</td>
</tr>
<tr>
<td>Minimum lot width and depth (feet)</td>
<td>30 per duplex unit, 50 for other uses</td>
<td>35 per duplex unit, 65 for other uses</td>
<td>65 for dwellings, 100 for other uses</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Yards (feet):</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front</td>
<td>10 for dwellings, 30 for other uses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side and rear</td>
<td>5 for dwellings¹, 15 for other uses</td>
<td>5 for dwellings, 15 for other uses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum building area</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum height (feet)¹</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height setbacks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>per Sec. 21-3.30-1(c)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 setbacks 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, incompatible 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. 21-3.801 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

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

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

<table>
<thead>
<tr>
<th>Total Number of Guest Rooms Provided</th>
<th>Minimum Number of Required Guest Rooms With Communication Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 to 25</td>
<td>2</td>
</tr>
<tr>
<td>26 to 50</td>
<td>4</td>
</tr>
<tr>
<td>51 to 75</td>
<td>7</td>
</tr>
<tr>
<td>76 to 100</td>
<td>9</td>
</tr>
<tr>
<td>101 to 150</td>
<td>12</td>
</tr>
</tbody>
</table>
Table 224.4 Guest Rooms with Communication Features

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

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”.

186 - 2010 Standards: Titles II and III Department of Justice
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.

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

Prepared for:

The Lintiaco Consulting Group
Dole Office Building
680 Iwilei Road, Suite 430
Honolulu, Hawaii 96817

Prepared by:
ENVIRO SERVICES & TRAINING CENTER, LLC
505 Ward Avenue, Suite 202
Honolulu, Hawaii 96814
tel: (808) 839-7222

ETC Project No. 13-4014

September 13, 2013
Revised September 27, 2013
TABLE OF CONTENTS

1.0 CERTIFICATIONS AND LIMITATIONS ................................................................. 1

2.0 EXECUTIVE SUMMARY ...................................................................................... 2

3.0 INTRODUCTION/PURPOSE .................................................................................. 7

4.0 METHODOLOGY ..................................................................................................... 8
   4.1 ASBESTOS .............................................................................................................. 8
   4.2 LEAD PAINT ........................................................................................................ 8
   4.3 MISCELLANEOUS HAZARDOUS MATERIALS ...................................................... 8

5.0 RESULTS ................................................................................................................ 9
   5.1 ASBESTOS INSPECTION ..................................................................................... 9
   5.2 LEAD PAINT INSPECTION ................................................................................ 9
   5.3 MISCELLANEOUS HAZARDOUS MATERIALS .................................................. 9

6.0 RECOMMENDATIONS ......................................................................................... 10

TABLES

<table>
<thead>
<tr>
<th>TABLE</th>
<th>DESCRIPTION</th>
<th>APPENDIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ASBESTOS INSPECTION RESULTS</td>
<td>I</td>
</tr>
<tr>
<td>2</td>
<td>LEAD PAINT INSPECTION RESULTS</td>
<td>I</td>
</tr>
<tr>
<td>3</td>
<td>ARSENIC INSPECTION RESULTS</td>
<td>I</td>
</tr>
</tbody>
</table>

APPENDICES

APPENDIX I: TABLES OF RESULTS
APPENDIX II: LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS
APPENDIX III: ASBESTOS CONTAINING MATERIAL (ACM) PHOTO LOG
APPENDIX IV: MAPS
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.

ETC has performed specified services for this project with the degree of care, skill and diligence ordinarily exercised by professional consultants performing the same or similar services. No other warranty, guarantee, or representation, expressed or implied, is included or intended; unless otherwise specifically agreed to in writing by both ETC and ETC’s Client.

This report is intended for the sole use of The Limtiaco Consulting Group, exclusively for the Subject Site. The Limtiaco Consulting Group may use and release this report, including making and retaining copies, provided such use is limited to the particular site and project for which this report is provided. However, the services performed may not be appropriate for satisfying the needs of other users. Release of this report to third-parties will be at the sole risk of ETC’s Client and/or said user, and ETC shall not be liable for any claims or damages resulting from or connected with such release or any third party’s use or reuse of this report.

Prepared By: [Signature]
Denna K.H. Sueoka
State of Hawaii Certified Asbestos Inspector
Certification #: HIASB-2885
Lead Risk Assessor
Certification #: PB-0259

Date: 7/24/2013

Surveyed By: [Signature]
Cornelio Gagarin Jr.
State of Hawaii Certified Asbestos Inspector
Certification #: HIASB-1162
Lead Risk Assessor
Certification #: PB-0139

[Signature]
Deana Sueoka
State of Hawaii Certified Asbestos Inspector
Certification #: HIASB-2885
Lead Risk Assessor
Certification #: PB-0259

Hazardous Materials Survey Report
Malaekahana Beach Park
Cabins 2-7, Office, Caretaker’s House, Security House & Security Residence
Oahu, Hawaii

September 27, 2013
ETC Project # 13-4014
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

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

<table>
<thead>
<tr>
<th>Homogenous Area</th>
<th>Material</th>
<th>Type</th>
<th>Cond.</th>
<th>Friability</th>
<th>Estimated Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office/Residence Interior Office Side, back room &amp; entrance to restroom</td>
<td>12&quot;x12&quot;Vinyl Floor Tile, White</td>
<td>Misc.</td>
<td>Poor</td>
<td>Non-Friable I</td>
<td>150 sq.ft.</td>
</tr>
<tr>
<td>Caretakers' Residence Interior Kitchen</td>
<td>Black Sink Undercoat</td>
<td>TSI</td>
<td>Good</td>
<td>Friable</td>
<td>8 sq.ft.</td>
</tr>
<tr>
<td>Security House (Aaron's Residence) Interior Kitchen</td>
<td>Black Sink Undercoat</td>
<td>TSI</td>
<td>Poor</td>
<td>Friable</td>
<td>8 sq.ft.</td>
</tr>
<tr>
<td>Security Residence (Game Warden's Residence) Interior Kitchen</td>
<td>White Sink Undercoat</td>
<td>Misc.</td>
<td>Poor</td>
<td>Non-Friable I</td>
<td>4 sq.ft.</td>
</tr>
<tr>
<td>Security Residence (Game Warden's Residence) Interior Living Room</td>
<td>Sliding Door Caulking</td>
<td>Misc.</td>
<td>Poor</td>
<td>Non-Friable I</td>
<td>10 linear ft.</td>
</tr>
</tbody>
</table>

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)
Malaeakahana Beach Park

<table>
<thead>
<tr>
<th>Site</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Color</th>
<th>Condition</th>
<th>Substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabin 4 Interior</td>
<td>White Paint Throughout</td>
<td>White</td>
<td>Poor</td>
<td>Wood and Canoe</td>
<td></td>
</tr>
<tr>
<td>Cabin 4 Exterior (Lanai)</td>
<td>Brown Paint on Floors and Beams</td>
<td>Brown</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>Cabin 5 Exterior</td>
<td>Brown Paint on Walls</td>
<td>Brown</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>Security House (Aaron’s) Interior</td>
<td>White Paint on Walls, Ceilings, Beams, Doors &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>Security House (Aaron’s) Exterior</td>
<td>Grey Paint on Walls, Door &amp; Beams</td>
<td>Grey</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
</tbody>
</table>
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**

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

*Hazardous Materials Survey Report*

*Malaekahana Beach Park*

*September 27, 2013*

*ETC Project # 13-4014*

*Cabins 2-7, Office/Residence, Caretaker’s Residence, Security House, & Security Residence*

*Oahu, Hawaii*
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

<table>
<thead>
<tr>
<th>Site</th>
<th>Area</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabin 2</td>
<td>Ceiling</td>
<td>Interior</td>
<td>Brown Fibrous Material</td>
<td>Poor</td>
</tr>
<tr>
<td>Cabin 6 &amp; 7</td>
<td>Ceiling</td>
<td>Interior</td>
<td>Brown Fibrous Material</td>
<td>Poor</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Site</th>
<th>Ballasts</th>
<th>Lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PCB Containing</td>
<td>Non-PCB Containing</td>
</tr>
<tr>
<td>Aaron’s Security House</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Game Warden Security Residence</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>
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

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

* Glass Fibers detected
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Homogeneous Area</th>
<th>Material</th>
<th>Condition</th>
<th>Category</th>
<th>Friability</th>
<th>Analysis Layer</th>
<th>Asbestos Content</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CAB3-01</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>12”x12” Vinyl Floor Tile w/mastic, Lt. Green</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-02</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Cementious Flooring w/mastic, Brown</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-03</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Kitchen Sink Caulking</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-04</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Cementious Wall Panels (Kitchen Back Splash)</td>
<td>Fair</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-05</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Drywall Wall</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-06</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Ceramic Tiles w/grout (sink counters) - various colors</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-07</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Black Asphalitic Roofing Material</td>
<td>Poor</td>
<td>Misc.</td>
<td>Category 1 - Non-Friable</td>
<td>Not Analyzed</td>
<td>1560sq.ft</td>
</tr>
<tr>
<td>4014-CAB3-08</td>
<td>Cabin 3</td>
<td>Interior</td>
<td>Cementious Wall Panels</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
</tr>
<tr>
<td>4014-CAB3-09</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-10</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-11</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-12</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-13</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-14</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-15</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-16</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-17</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-18</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-19</td>
<td>Cabin 3</td>
<td>Interior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Glass Fibers detected
## Table 1

**Asbestos Survey Results**

**Cabin 4**

**Malaekahana Beach Park**

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

* Glass Fibers detected
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Homogeneous Area</th>
<th>Material</th>
<th>Condition</th>
<th>Category</th>
<th>Friability</th>
<th>Analysis Layer</th>
<th>Asbestos Content</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CAB5-01</td>
<td>Cabin 5</td>
<td>Interior 12&quot;x12&quot; Vinyl Floor Tile w/mastic, White w/Black Specks and under carpet</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CAB5-02</td>
<td>Cabin 5</td>
<td>Interior 12&quot;x12&quot; Vinyl Floor Tile w/mastic, Grey w/replacements</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CAB5-03</td>
<td>Cabin 5</td>
<td>Interior 9&quot;x 9&quot; Vinyl Floor Tile, Black w/mastic under carpet</td>
<td>Poor</td>
<td>Misc.</td>
<td>Category I - Non-Friable</td>
<td>1st &amp; 2nd layer</td>
<td>None Detected*</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td>4014-CAB5-04</td>
<td>Cabin 5</td>
<td>Interior Drywall Walls</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CAB5-05</td>
<td>Cabin 5</td>
<td>Interior Cementious Wall Panels</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CAB5-06</td>
<td>Cabin 5</td>
<td>Exterior Cementious Wall Panels</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CAB5-07</td>
<td>Cabin 5</td>
<td>Exterior Black Asphalitic Roofing Material</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CAB5-08</td>
<td>Cabin 5</td>
<td>Exterior Black Asphalitic Roofing Material</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

* Glass Fibers detected
Table 1
Asbestos Survey Results
Cabin 6 and 7
Malaekahana Beach Park

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

* Glass Fibers detected
## ETC Job #13-4014
### Asbestos Survey Results
#### Office/Residence
##### Malaekahana Beach Park

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Homogeneous Area</th>
<th>Material</th>
<th>Condition</th>
<th>Category</th>
<th>Friability</th>
<th>Analysis Layer</th>
<th>Asbestos Content</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-Office-01</td>
<td>Security Residence (Office)</td>
<td>12&quot;x12&quot; Vinyl Floor Tile (VFT) w/Mastic, Checkered Pattern White &amp; Blue</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-Office-02</td>
<td>Security Residence (Office)</td>
<td>Drywall - Walls &amp; Ceiling</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-Office-03</td>
<td>Security Residence (Office)</td>
<td>Kitchen Counter Caulking</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-Office-04</td>
<td>Security Residence (Office)</td>
<td>Ceramic Tile w/grout on Kitchen Counter</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-Office-10</td>
<td>Security Residence (Office)</td>
<td>12&quot; x 12&quot; VFT White w/Mastic</td>
<td>Poor</td>
<td>Misc.</td>
<td>Category 1 - Non-Friable</td>
<td>1st layer</td>
<td>3% Chrysotile</td>
<td>150 sq.ft</td>
</tr>
<tr>
<td>4014-Office-11</td>
<td>Security Residence (Office)</td>
<td>Ceramic Tile w/grout on Restroom Sink Counter</td>
<td>Good</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-Office-12</td>
<td>Security Residence (Office)</td>
<td>Black Asphaltic Roofing Material</td>
<td>Good</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

* Glass Fiber Detected
## Table 1
Asbestos Survey Results  
Security House (Aron Tufaga's Residence)  
Malaekahana Beach Park

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Homogeneous Area</th>
<th>Material</th>
<th>Condition</th>
<th>Category</th>
<th>Friability</th>
<th>Analysis Layer</th>
<th>Asbestos Content</th>
<th>Est. Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-ASH-28</td>
<td>Walls</td>
<td>Cementious Wall Panels</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-29</td>
<td>Exterior</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-ASH-30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-32</td>
<td>Storage 2</td>
<td>Window Caulking</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-ASH-33</td>
<td>Int. &amp; Ext</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-34</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-35</td>
<td>Storage 2</td>
<td>Door Caulking</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-ASH-36</td>
<td>Int. &amp; Ext</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-37</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-ASH-38</td>
<td>Storage 2</td>
<td>Brown Fiber Walls</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-ASH-39</td>
<td>Int. &amp; Ext</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
</tbody>
</table>

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

* Glass Fiber Detected
<table>
<thead>
<tr>
<th>Reference</th>
<th>Location</th>
<th>Type</th>
<th>Material Description</th>
<th>Condition</th>
<th>Category</th>
<th>Remarks</th>
<th>Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CCR-33</td>
<td>Bedroom #1</td>
<td>Interior</td>
<td>Brown Linoleum w/12x12 Brown Speckled Marking</td>
<td>Good</td>
<td>Misc.</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CCR-34</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-35</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-37</td>
<td>Bedroom #1</td>
<td>Interior</td>
<td>24&quot;x24&quot; Ceramic Brown Tiles</td>
<td>Good</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
</tr>
<tr>
<td>4014-CCR-38</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CCR-39</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-40</td>
<td>Roof</td>
<td>Exterior</td>
<td>Red Roofing Material</td>
<td>Good</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
</tr>
<tr>
<td>4014-CCR-41</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CCR-42</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-43</td>
<td>Roof</td>
<td>Exterior</td>
<td>White Plastic over Roofing Material</td>
<td>Good</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
</tr>
<tr>
<td>4014-CCR-44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CCR-45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected*</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-47</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5% Chrysotile</td>
<td>24 sq. ft.</td>
</tr>
<tr>
<td>4014-CCR-48</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not Analyzed</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-49</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not Analyzed</td>
<td></td>
</tr>
<tr>
<td>4014-CCR-50</td>
<td>Walls</td>
<td>Exterior</td>
<td>Cementious Wall Panel</td>
<td>Good</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
</tr>
<tr>
<td>4014-CCR-51</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Detected</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* Glass Fiber Detected
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Homogeneous Area</th>
<th>Material</th>
<th>Condition</th>
<th>Category</th>
<th>Friability</th>
<th>Analysis Layer</th>
<th>Asbestos Content</th>
<th>Est. Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-GWR-01</td>
<td>Game Warden Residence</td>
<td>Interior 12x12 VFT White Speckled</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-GWR-02</td>
<td>Game Warden Residence</td>
<td>Interior Drywall Ceiling</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-GWR-03</td>
<td>Game Warden Residence</td>
<td>Interior White Sink Undercoat</td>
<td>Poor</td>
<td>TSI</td>
<td>Friable</td>
<td>1st Layer</td>
<td>6% Chrysotile</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-GWR-07</td>
<td>Game Warden Residence</td>
<td>Interior 4x4 White Ceramic Tile</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-GWR-10</td>
<td>Game Warden Residence</td>
<td>Interior 12x12 VFT Beige</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-GWR-12</td>
<td>Game Warden Residence</td>
<td>Interior Sink &amp; Toilet Caulking</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-GWR-14</td>
<td>Game Warden Residence</td>
<td>Interior Sliding Door Caulking</td>
<td>Poor</td>
<td>Misc.</td>
<td>Non-Friable</td>
<td>1st Layer</td>
<td>3% Chrysotile</td>
<td>10 linear ft.</td>
</tr>
<tr>
<td>4014-GWR-28</td>
<td>Game Warden Residence</td>
<td>Exterior Black Asphalt Roofing Material</td>
<td>Poor</td>
<td>Misc.</td>
<td>Not Applicable</td>
<td>All</td>
<td>None Detected</td>
<td>N/A</td>
</tr>
</tbody>
</table>
# Table 2
## Lead Paint Results
**Cabin 2**
**Malaekahana Beach Park**

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

<#= 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

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

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

*Bold= Lead Base Paint or Lead Containing Paint*
Table 2
Lead Paint Results
Cabin 4
Malaekahana Beach Park

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

<# = not detected above the Reporting Limit of #
Bold = Lead Based Paint or Lead Containing
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Condition</th>
<th>Color</th>
<th>Substrate</th>
<th>Reporting Limit (mg/kg)</th>
<th>Lead Conc. (mg/kg)</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CABS-PB-01</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>Beige</td>
<td>Wood/Fiber</td>
<td>48.0</td>
<td>130.0</td>
<td>2100 sq.ft</td>
</tr>
<tr>
<td>4014-CABS-PB-02</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>Beige</td>
<td>Board</td>
<td>48.0</td>
<td>170.0</td>
<td>400 sq.ft</td>
</tr>
<tr>
<td>4014-CABS-PB-03</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>Lt. Blue</td>
<td>Wood</td>
<td>48.0</td>
<td>630.0</td>
<td>1600 sq.ft</td>
</tr>
<tr>
<td>4014-CABS-PB-04</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>White</td>
<td>Wood</td>
<td>48.0</td>
<td>&lt;46.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CABS-PB-05</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>White</td>
<td>Wood</td>
<td>46.0</td>
<td>&lt;47.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-CABS-PB-06</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>White</td>
<td>Wood</td>
<td>47.0</td>
<td>9700.0</td>
<td>1100 sq.ft</td>
</tr>
<tr>
<td>4014-CABS-PB-07</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>White</td>
<td>Wood</td>
<td>47.0</td>
<td>N/A</td>
<td>700 sq.ft</td>
</tr>
<tr>
<td>4014-CABS-PB-08</td>
<td>Cabin 5 Interior</td>
<td>Poor</td>
<td>White</td>
<td>Wood</td>
<td>48.0</td>
<td>45.0</td>
<td>150 sq.ft</td>
</tr>
</tbody>
</table>

<47 = not detected above the Reporting Limit of #

Bold = Lead Base Paint or Lead Containing Paint
## Table 2
### Lead Paint Results
#### Cabin 6 and 7
#### Malaekahana Beach Park

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

<# = not detected above the Reporting Limit of #

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

< # = not detected above the Reporting Limit of #
Bold = Lead Based Paint or Lead Containing Paint
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Area</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Color</th>
<th>Condition</th>
<th>Substrate</th>
<th>Reporting Limit (mg/kg)</th>
<th>Lead Conc. (mg/kg)</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-PB-ASH-01</td>
<td>Aron Security House</td>
<td>Interior</td>
<td>White Paint on Walls, Ceilings, Beams, Doors &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td>55.0</td>
<td>6000.0</td>
<td>2345 sq. ft</td>
</tr>
<tr>
<td>4014-PB-ASH-02</td>
<td>Aron Security House</td>
<td>Interior</td>
<td>Beige Paint on Walls</td>
<td>Beige</td>
<td>Poor</td>
<td>Wood</td>
<td>48.0</td>
<td>&lt;48.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-03</td>
<td>Aron Security House</td>
<td>Interior</td>
<td>Blue Paint on Walls, Ceilings, Beams &amp; Cabinets</td>
<td>Blue</td>
<td>Poor</td>
<td>Wood</td>
<td>89.0</td>
<td>&lt;89.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-04</td>
<td>Aron Security House</td>
<td>Exterior</td>
<td>White Paint on Walls &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td>66.0</td>
<td>&lt;66.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-05</td>
<td>Aron Security House</td>
<td>Exterior</td>
<td>Grey Paint on Walls, Door &amp; Beams</td>
<td>Grey</td>
<td>Poor</td>
<td>Wood</td>
<td>40.0</td>
<td>7700.0</td>
<td>2345 sq. ft</td>
</tr>
<tr>
<td>4014-PB-ASH-06</td>
<td>Aron Security House</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td>75.0</td>
<td>&lt;75.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-07</td>
<td>Aron Security House-Storage 1</td>
<td>Interior</td>
<td>White Paint on Ceilings &amp; Beams</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td>77.0</td>
<td>&lt;77.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-08</td>
<td>Aron Security House-Storage 1</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td>69.0</td>
<td>&lt;69.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-09</td>
<td>Aron Security House-Storage 2</td>
<td>Interior</td>
<td>Pink Paint of Ceiling</td>
<td>Pink</td>
<td>Poor</td>
<td>Metal</td>
<td>100.0</td>
<td>100.0</td>
<td>120 sq.ft</td>
</tr>
<tr>
<td>4014-PB-ASH-10</td>
<td>Aron Security House-Storage 2</td>
<td>Interior</td>
<td>White Paint on Walls &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td>80.0</td>
<td>&lt;80.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-ASH-11</td>
<td>Aron Security House-Storage 2</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td>95.0</td>
<td>&lt;95.0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<# = not detected above the Reporting Limit of 
Bold=Lead Base Paint or Lead Containing Paint
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Area</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Color</th>
<th>Condition</th>
<th>Substrate</th>
<th>Reporting Limit (mg/kg)</th>
<th>Lead Conc. (mg/kg)</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-PB-CCR-01</td>
<td>Caretaker's House Throughout</td>
<td>Interior</td>
<td>White Paint on Walls, Cabinets, Door, Beams, Door &amp; Window Frame</td>
<td>White</td>
<td>Good</td>
<td>Wood</td>
<td>110.0</td>
<td>260.0</td>
<td>5240 sq.ft</td>
</tr>
<tr>
<td>4014-PB-CCR-02</td>
<td>Caretaker's House Office</td>
<td>Interior</td>
<td>Light Blue Paint on Walls, Door &amp; Window Frame</td>
<td>Light Blue</td>
<td>Good</td>
<td>Wood &amp; Drywall</td>
<td>67.0</td>
<td>&lt;67.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-CCR-03</td>
<td>Caretaker's House Enclosed Lanai</td>
<td>Interior</td>
<td>Red Paint on Floor</td>
<td>Red</td>
<td>Good</td>
<td>Wood</td>
<td>41.0</td>
<td>&lt;41.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-CCR-04</td>
<td>Caretaker's House Enclosed Lanai</td>
<td>Interior</td>
<td>Yellow Paint on Walls &amp; Beams</td>
<td>Yellow</td>
<td>Good</td>
<td>Wood</td>
<td>89.0</td>
<td>&lt;89.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-CCR-05</td>
<td>Caretaker's House Bedroom #1</td>
<td>Interior</td>
<td>Light Green Paint on Walls, Beams &amp; Ceilings</td>
<td>Light Green</td>
<td>Good</td>
<td>Drywall</td>
<td>41.0</td>
<td>&lt;41.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-CCR-06</td>
<td>Caretaker's House Bathroom #3</td>
<td>Interior</td>
<td>Beige Paint on Walls</td>
<td>Beige</td>
<td>Good</td>
<td>Wood</td>
<td>80.0</td>
<td>80.0</td>
<td>1050 sq.ft</td>
</tr>
<tr>
<td>4014-PB-CCR-07</td>
<td>Caretaker's House</td>
<td>Exterior</td>
<td>White Paint on Floor, Beams, Door, Ceilings &amp; Railings</td>
<td>White</td>
<td>Good</td>
<td>Wood</td>
<td>110.0</td>
<td>&lt;110.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-CCR-08</td>
<td>Caretaker's House</td>
<td>Exterior</td>
<td>Beige/Yellow Paint on Walls &amp; Beams</td>
<td>Beige/Yellow</td>
<td>Good</td>
<td>Wood</td>
<td>56.0</td>
<td>&lt;56.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-CCR-09</td>
<td>Caretaker's House</td>
<td>Exterior</td>
<td>Beige/Yellow Paint on Pipes &amp; Junction Box</td>
<td>Beige/Yellow</td>
<td>Good</td>
<td>Metal</td>
<td>57.0</td>
<td>1700.0</td>
<td>400 sq.ft</td>
</tr>
</tbody>
</table>

<#= not detected above the Reporting Limit of #  
Bold=Lead Base Paint or Lead Containing Paint
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Area</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Color</th>
<th>Condition</th>
<th>Substrate</th>
<th>Reporting Limit (mg/kg)</th>
<th>PbConc. (mg/kg)</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-PB-GWR-01</td>
<td>Security Residence Throughout</td>
<td>Interior</td>
<td>White Paint on Walls, Door, Ceiling, Door &amp; Window Frame</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td>120.0</td>
<td>520.0</td>
<td>2510 sq. ft</td>
</tr>
<tr>
<td>4014-PB-GWR-02</td>
<td>Security Residence Bedroom#3</td>
<td>Interior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Drywall</td>
<td>82.0</td>
<td>&lt;82.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-GWR-03</td>
<td>Security Residence Throughout</td>
<td>Interior</td>
<td>White Paint on Ceilings</td>
<td>White</td>
<td>Poor</td>
<td>Drywall</td>
<td>51.0</td>
<td>51.0</td>
<td>2310 sq.ft</td>
</tr>
<tr>
<td>4014-PB-GWR-04</td>
<td>Security Residence Throughout</td>
<td>Exterior</td>
<td>Lt.Blue Paint on Walls, Beams, Ceiling &amp; Door</td>
<td>Lt.Blue</td>
<td>Poor</td>
<td>Wood</td>
<td>100.0</td>
<td>&lt;100.0</td>
<td>N/A</td>
</tr>
<tr>
<td>4014-PB-GWR-05</td>
<td>Security Residence Throughout</td>
<td>Exterior</td>
<td>Dark Blue Paint on Walls, Window Frame &amp; Beams</td>
<td>Dark Blue</td>
<td>Poor</td>
<td>Wood</td>
<td>42.0</td>
<td>410.0</td>
<td>3500 sq.ft</td>
</tr>
</tbody>
</table>

<#: not detected above the Reporting Limit of #  
Bold= Lead Base Paint or Lead Containing Paint
## Table 3
Arsenic Sample Results
Cabins 2-7
Malaekahana Beach Park

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

<# not detected above the Reporting Limit of #

Bold = detectable levels of arsenic
### Table 3
Arsenic Sample Results
Caretakers' Residence (Craig Chapman's Residence)
Malaekahana Beach Park

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Area</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Reporting Limit (mg/kg)</th>
<th>Arsenic (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-ARS-CCR-01</td>
<td>Ceiling</td>
<td>Interior</td>
<td>Brown Fiberous Material</td>
<td>15.0</td>
<td>&lt;15.0</td>
</tr>
</tbody>
</table>
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

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-83/116 (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

Enc.: Sample Results
**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

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

Attention: Ms. Val Roberts  
Project Location: Malaekahana Beach Park-Cabin 2

---

**Lab ID: 13069749**  
**Client Sample #: 4014-CAB2-01**  
**Location:** Malaekahana Beach Park

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Red brittle material with off-white glaze</td>
<td>Ceramic/Bindor, Fine grains</td>
<td>None Detected</td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Grey brittle cementitious material</td>
<td>Cement/Bindor, Fine grains</td>
<td>Other Fibrous Materials:</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13069750**  
**Client Sample #: 4014-CAB2-02**  
**Location:** Malaekahana Beach Park

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Red brittle material with off-white glaze</td>
<td>Ceramic/Bindor, Fine grains</td>
<td>None Detected</td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Grey brittle cementitious material</td>
<td>Cement/Bindor, Fine grains</td>
<td>Other Fibrous Materials:</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13069751**  
**Client Sample #: 4014-CAB2-03**  
**Location:** Malaekahana Beach Park

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Red brittle material with off-white glaze</td>
<td>Ceramic/Bindor, Fine grains</td>
<td>None Detected</td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Grey brittle cementitious material</td>
<td>Cement/Bindor, Fine grains</td>
<td>Other Fibrous Materials:</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Matt Macfarlane  
**Reviewed by:** Nick Ly  
**Date:** 05/09/2013

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/M4-02-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0.3%, 5%=1.0%, 10%=6 -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: 206.634.1938  
www.nvlabs.com

Bulk Asbestos Fibers Analysis  
By Polarized Light Microscopy

Batch #: 1307403.00  
Client Project #: 13-4014  
Date Received: 05/08/2013  
Samples Received: 30  
Samples Analyzed: 23  
Method: EPA/600/R-93/116  
& EPA/600/M-4-82-020

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

Attention: Ms. Vel Roberts  
Project Location: Malaekahana Beach Park-Cabin 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:  
Vinyl/Binder  
Other Fibrous Materials:%  
Asbestos Type: %

Layer 2 of 2  Description: Crumbly yellow mastic  
Mastic/Binder, Miscellaneous particles, Organic debris  
Non-Fibrous Materials:  
Other Fibrous Materials:%  
Asbestos Type: %

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:  
Vinyl/Binder  
Other Fibrous Materials:%  
Asbestos Type: %

Layer 2 of 2  Description: Trace yellow crumbly mastic  
Non-Fibrous Materials:  
Mastic/Binder  
Other Fibrous Materials:%  
Asbestos Type: %

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:  
Vinyl/Binder  
Other Fibrous Materials:%  
Asbestos Type: %

Layer 2 of 3  Description: Black streaked vinyl tile  
Non-Fibrous Materials:  
Vinyl/Binder, Mineral grains  
Other Fibrous Materials:%  
Asbestos Type: %

Sampled by: Client  
Analyzed by: Matt Macfarlane  
Reviewed by: Nick Ly  
Date: 05/09/2013

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-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 3%=1-9%, 9%=5-15%, 15%=10-33%, 33%=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 quality 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.

Page 2 of 7
<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Description</th>
<th>Asbestos Type: %</th>
<th>Sample Status:</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069755</td>
<td>4014-CAB2-07</td>
<td>Off-white vinyl tile</td>
<td>None Detected ND</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Fibrous Materials: Vinyl/Binder, Mineral grains</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Fibrous Materials:  None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: Brittle yellow mastic with off-white paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Fibrous Materials: Paint, Mastic/Binder, Miscellaneous particles</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Fibrous Materials:  Cellulose &lt;1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13069756</td>
<td>4014-CAB2-08</td>
<td>Black vinyl tile</td>
<td>Chrysotile 5%</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Fibrous Materials: Vinyl/Binder, Mineral grains</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Fibrous Materials:  None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13069757</td>
<td>4014-CAB2-09</td>
<td>Black vinyl tile</td>
<td>None Detected ND</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Fibrous Materials: Vinyl/Binder, Mineral grains</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Fibrous Materials:  Synthetic fibers 3%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-6%, 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.
## NVL Laboratories, Inc

**4708 Aurora Ave. N., Seattle, WA 98103**

Tel: 206.547.0100, Fax: 206.634.1936

www.nvlabs.com

---

**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

---

**Batch #: 1307403.00**

Client Project #: 13-4014

Date Received: 05/06/2013

Samples Received: 30

Samples Analyzed: 23

Method: EPA/600/R-93/118 & EPA/600/M-4-82-020

---

### 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:**
  - Vinyl/Binder, Mineral grains
- **Other Fibrous Materials:**
  - Synthetic fibers <1%
- **Asbestos Type:** %
  - 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:**
  - Vinyl/Binder, Mineral grains
- **Other Fibrous Materials:**
  - Synthetic fibers 2%
- **Asbestos Type:** %
  - None Detected ND

---

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

**Location:** Malaekahana Beach Park

**Layer 1 of 1**
- **Description:** White crumbly material
- **Non-Fibrous Materials:**
  - Calcereous binder, Fine particles
- **Other Fibrous Materials:**
  - Cellulose <1%
- **Asbestos Type:** %
  - 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

---

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/118 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%=40-80%). 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**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

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Sample Status:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069763</td>
<td>4014-CAB2-15</td>
<td>Not Analyzed</td>
<td></td>
</tr>
<tr>
<td>13069764</td>
<td>4014-CAB2-16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13069765</td>
<td>4014-CAB2-17</td>
<td>Not Analyzed</td>
<td></td>
</tr>
<tr>
<td>13069766</td>
<td>4014-CAB2-18</td>
<td>Not Analyzed</td>
<td></td>
</tr>
<tr>
<td>13069767</td>
<td>4014-CAB2-19</td>
<td></td>
<td>None Detected ND</td>
</tr>
<tr>
<td>13069768</td>
<td>4014-CAB2-20</td>
<td></td>
<td>None Detected ND</td>
</tr>
<tr>
<td>13069769</td>
<td>4014-CAB2-21</td>
<td></td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Location:** Malaekahana Beach Park

**Layer 1 of 1**  
**Description:** White brittle material with paint  
Non-Fibrous Materials:  
Other Fibrous Materials: Cellulose 2%  
Chrysotile 3%

**Location:** Malaekahana Beach Park  
**Layer 1 of 1**  
**Description:** Tacky white rubbery material with paint  
Non-Fibrous Materials:  
Other Fibrous Materials: Cellulose <1%

**Location:** Malaekahana Beach Park  
**Layer 1 of 1**  
**Description:** Tacky white rubbery material with paint  
Non-Fibrous Materials:  
Other Fibrous Materials: None Detected ND

**Location:** Malaekahana Beach Park  
**Layer 1 of 1**  
**Description:** Tacky white rubbery material with paint  
Non-Fibrous Materials:  
Other Fibrous Materials: None Detected ND

**Sampled by:** Client  
**Analyzed by:** Matt Macfarlane  
**Reviewed by:** Nick Ly

*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%=40-80%). 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.*
NVL Laboratories, Inc
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

Bulk Asbestos Fibers Analysis
By Polarized Light Microscopy

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-82-020

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

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tacky white rubbery material with paint</td>
<td>Encapsulant/Binder, Paint</td>
<td>Cellulose 2%</td>
<td>%</td>
</tr>
<tr>
<td>Lab ID: 13069779</td>
<td>Client Sample #: 4014-CAB2-22</td>
<td></td>
<td></td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Location: Malaekahana Beach Park</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

Lab ID: 13069774
Client Sample #: 4014-CAB2-26
Location: Malaekahana Beach Park

Sampled by: Client
Analyzed by: Matt Iacofaro
Reviewed by: Nick Ly
Date: 05/09/2013

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-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 60%=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 accuracy 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Veil Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 2

---

**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

---

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White brittle material</td>
<td>Binder/Filler, Rust</td>
<td>Glass fibers 20%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

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

**Layer 1 of 1**  
**Description:** White brittle material  
**Non-Fibrous Materials:**  
**Other Fibrous Materials:**  
**Glass fibers** 20%  
**Asbestos Type:** None Detected ND

---

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black asphalitic material with granules &amp; paint</td>
<td>Asphalt/Blinder, Paint, Granules</td>
<td>Glass fibers 30%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

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

**Layer 1 of 1**  
**Description:** Black asphalitic material with granules & paint  
**Non-Fibrous Materials:**  
**Other Fibrous Materials:**  
**Glass fibers** 30%  
**Asbestos Type:** None Detected ND

---

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black asphalitic built-up material with granules &amp; paint</td>
<td>Paint, Granules, Asphalt/Blinder</td>
<td>Glass fibers 25%</td>
<td>Chrysotile 3%</td>
<td></td>
</tr>
</tbody>
</table>

**Layer 1 of 2**  
**Description:** Black asphalitic built-up material with granules & paint  
**Non-Fibrous Materials:**  
**Other Fibrous Materials:**  
**Glass fibers** 25%  
**Cellulose** <1%

**Layer 2 of 2**  
**Description:** Black asphalitic material with granules  
**Non-Fibrous Materials:**  
**Other Fibrous Materials:**  
**Glass fibers** 35%  
**Asbestos Type:** None Detected ND

---

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black asphalitic material with granules</td>
<td>Asphalt/Blinder, Granules</td>
<td>Glass fibers 35%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

**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  

**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%=1-5%, 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 enforcement by NVLAP or any other agency of the US Government.
NVL Laboratories, Inc.
4708 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)

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

Project Manager: Ms. Vel Roberts
Project Location: Maalaea Beach Park

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

NVL Batch ID

1307403

NVL Batch Number
13-4074

Client Job Number
50

Total Samples
50

Turn Around Time
☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☐ 6 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@goloelc.com
Cell (808) 384-9590

☐ 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/Fungi
☐ Mold Air
☐ Mold Bulk
☐ Rotometer Calibration

☐ METALS
☐ Total Metals
☐ TCLP
☐ Cr 6
☐ Matrix
☐ Air Filler
☐ Soil
☐ Paint Chips In %
☐ Paint Chips In cn
☐ RCRA Metals
☐ All 8
☐ Chromium (Cr)
☐ Barium (Ba)
☐ Lead (Pb)
☐ Cadmium (Cd)
☐ Mercury (Hg)
☐ Other Metals
☐ All 3
☐ Copper (Cu)
☐ Nickel (Ni)
☐ Zinc (Zn)

☐ Other Types of Analysis
☐ Fiberglass
☐ Silica
☐ Nuisance Dust
☐ Respirable Dust
☐ 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

Sampled by
Vel Roberts

Reinluiished by
Vel Roberts

Received by
Marc Raymond

Analyzed by
Matt W

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
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CAB2-01</td>
<td>Throughout</td>
<td>Ceramic Floor Tile w/grout - various colors</td>
</tr>
<tr>
<td>4014-CAB2-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-05</td>
<td>Bedroom #1</td>
<td>12&quot;x12&quot;VFT w/mastic, Black &amp; White checkered pattern with replacement tiles</td>
</tr>
<tr>
<td>4014-CAB2-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-07</td>
<td>Bedroom #2</td>
<td>12&quot;x12&quot;VFT w/mastic, White with replacement tiles</td>
</tr>
<tr>
<td>4014-CAB2-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-09</td>
<td>Living Room</td>
<td>Sheet Vinyling Flooring w/mastic, Grey</td>
</tr>
<tr>
<td>4014-CAB2-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-13</td>
<td>Living Room</td>
<td>Drywall Walls</td>
</tr>
<tr>
<td>4014-CAB2-14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-16</td>
<td>Restrooms</td>
<td>Sink Counter Caulking</td>
</tr>
<tr>
<td>4014-CAB2-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-19</td>
<td>Kitchen</td>
<td>Kitchen Counter Caulking</td>
</tr>
<tr>
<td>4014-CAB2-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-22</td>
<td>Restrooms</td>
<td>Shower Caulking</td>
</tr>
<tr>
<td>4014-CAB2-23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-25</td>
<td>Restrooms</td>
<td>Cementious Shower Wall Panels</td>
</tr>
<tr>
<td>4014-CAB2-26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-28</td>
<td>Exterior Roof</td>
<td>Black Asphalitic Roofing Material</td>
</tr>
<tr>
<td>4014-CAB2-29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB2-30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
May 8, 2013

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

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,

Nick Ly, Technical Director

Enc.: Sample Results

Lab Code: 102083-0
**NVL Laboratories, Inc**
4708 Aurora Ave. N., Seattle, WA 98103
Tol: 206.547.0100, Fax: 206.534.1936
www.nvlabs.com

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

**Bulk Asbestos Fibers Analysis**
By Polarized Light Microscopy

**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

---

**Lab ID: 13069784**  **Client Sample #: 4014-CAB3-01**
Location: Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Grey patterned vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Soft clear sticky adhesive</td>
<td>Adhesive/Binder</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID: 13069785**  **Client Sample #: 4014-CAB3-02**
Location: Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Grey vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Clear brittle mastic</td>
<td>Mastic/Binder, Miscellaneous particles</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID: 13069786**  **Client Sample #: 4014-CAB3-03**
Location: Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Grey vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Brittle yellow mastic</td>
<td>Mastic/Binder, Miscellaneous particles</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID: 13069787**  **Client Sample #: 4014-CAB3-04**
Location: Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
</table>

---

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

**Note:** If samples are not homogeneous, than 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.
## Bulk Asbestos Fibers Analysis

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 505 Ward Avenue, Suite 202  
**Honolulu, HI 98814**

**Attention:** Ms. Vel Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 3

---

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 1</td>
<td>Light brown/tan brittle material</td>
<td></td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Binder/ filler, mineral grains</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asbestos Type:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Batch #: 1397405.00**  
**Client Project #: 13-4014**  
**Date Received:** 05/09/2013  
**Samples Received:** 24  
**Samples Analyzed:** 22  
**Method:** EPA/600/R-93/116 & EPA/600/M-4-82-020

---

<table>
<thead>
<tr>
<th>Lab ID: 13069783</th>
<th>Client Sample #: 4014-CAB3-05</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: Off-white/brown brittle material</td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Binder/ filler, mineral grains</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asbestos Type:</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Lab ID: 13069789</th>
<th>Client Sample #: 4014-CAB3-06</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: Off-white/brown brittle material</td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Binder/ filler, mineral grains</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asbestos Type:</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Lab ID: 13069790</th>
<th>Client Sample #: 4014-CAB3-07</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: Off-white soft rubbery material</td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rubber/ binder, miscellaneous particles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asbestos Type:</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Lab ID: 13069791</th>
<th>Client Sample #: 4014-CAB3-08</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: Soft off-white rubbery material</td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rubber/ binder, miscellaneous particles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asbestos Type:</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Lab ID: 13069792</th>
<th>Client Sample #: 4014-CAB3-09</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
</table>

---

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

**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%=6-15%, 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 quality 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Batch #: 1307405.00**  
**Client Project #: 13-4014**  
**Date Received: 05/06/2013**  
**Samples Received: 24**  
**Samples Analyzed: 22**  
**Method: EPA/600/R-93/118 & EPA/600/M-4-82-020**

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 505 Ward Avenue, Suite 202  
**Honolulu, HI 96814**  
**Attention:** Ms. Vel Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069793</td>
<td>4014-CAB3-10</td>
<td>Soft off-white rubbery material</td>
<td>Rubber/Binder, Fine particles</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>13069794</td>
<td>4014-CAB3-11</td>
<td>White brittle material with clear fibers</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: Glass fibers 30%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>13069795</td>
<td>4014-CAB3-12</td>
<td>White brittle material with clear fibers</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: Glass fibers 25%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>13069796</td>
<td>4014-CAB3-13</td>
<td>Off-white chalky material</td>
<td>Gypsum/Binder, Fine particles</td>
<td>Other Fibrous Materials: Glass fibers 5%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**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

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/118 and EPA 600/M-4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0.3%, 5%=1.0%, 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: 206.547.0193  
www.nvlab.com

**Bulk Asbestos Fibers Analysis**  
By Polarized Light Microscopy

**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

---

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

<table>
<thead>
<tr>
<th>Lab ID: 13069798</th>
<th>Client Sample #: 4014-CAB3-15</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
</table>
| Layer 1 of 1 | Description: Off-white compacted powdery material with paper & paint | Non-Fibrous Materials: Ceramic/Binder, Fine grains  
Other Fibrous Materials: %  
Cellulose 20%  
Asbestos Type: %  
None Detected ND |

<table>
<thead>
<tr>
<th>Lab ID: 13069799</th>
<th>Client Sample #: 4014-CAB3-16</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
</table>
| Layer 1 of 2 | Description: Red brittle material with off-white glaze  
Non-Fibrous Materials: Ceramic/Binder, Fine grains  
Other Fibrous Materials: %  
None Detected ND |  
Asbestos Type: %  
None Detected ND |
| Layer 2 of 2 | Description: Off-white brittle cementitious material  
Non-Fibrous Materials: Cement/Binder, Fine grains, Miscellaneous particles  
Other Fibrous Materials: %  
Cellulose <1%  
Asbestos Type: %  
None Detected ND |

<table>
<thead>
<tr>
<th>Lab ID: 13069800</th>
<th>Client Sample #: 4014-CAB3-17</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
</table>
| Layer 1 of 1 | Description: Red brittle material with off-white glaze  
Non-Fibrous Materials: Ceramic/Binder, Fine grains  
Other Fibrous Materials: %  
None Detected ND |  
Asbestos Type: %  
None Detected ND |

<table>
<thead>
<tr>
<th>Lab ID: 13069801</th>
<th>Client Sample #: 4014-CAB3-18</th>
<th>Location: Malaekahana Beach Park-Cabin 3</th>
</tr>
</thead>
</table>
| Layer 1 of 1 | Description: Red brittle material with off-white glaze  
Non-Fibrous Materials: Ceramic/Binder, Fine grains  
Other Fibrous Materials: %  
None Detected ND |  
Asbestos Type: %  
None Detected ND |

---

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

**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%=1.5%, 10%=5 -15%, 20%=10-30%, 60%=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 quality 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: 206.634.1938  
www.nvlabsa.com

For the scope of accreditation under NVLAP Lab Code 102083-0

**Bulk Asbestos Fibers Analysis**  
By Polarized Light Microscopy

**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

<table>
<thead>
<tr>
<th>Layer of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>Sample Status:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red brittle material with pink glaze</td>
<td>Ceramic/Binder, Fine grains</td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Trace off-white crumbly material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Binder/Filler, Fine grains, Miscellaneous particles</td>
<td></td>
<td>Cellulose &lt;1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Lab ID: 13069802**  
Client Sample #: 4014-CAB3-19  
Location: Malaekahana Beach Park-Cabin 3  
Comments: Unsure of correct layer sequence

<table>
<thead>
<tr>
<th>Layer of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>Sample Status:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black asphetic built-up material with granules</td>
<td>Asphalt/Binder, Granules, Miscellaneous particles</td>
<td>Glass fibers 30%</td>
<td>Chrysotile 5%</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td>2</td>
<td>Black asphetic material with granules</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asphalt/Binder, Granules</td>
<td></td>
<td>Glass fibers 25%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

**Lab ID: 13069803**  
Client Sample #: 4014-CAB3-20  
Location: Malaekahana Beach Park-Cabin 3  
Sample Status: Not Analyzed

**Lab ID: 13069804**  
Client Sample #: 4014-CAB3-21  
Location: Malaekahana Beach Park-Cabin 3  
Sample Status: Not Analyzed

**Lab ID: 13069805**  
Client Sample #: 4014-CAB3-22  
Location: Malaekahana Beach Park-Cabin 3  
Sample Status: Not Analyzed

**Lab ID: 13069806**  
Client Sample #: 4014-CAB3-23  
Location: Malaekahana Beach Park-Cabin 3  
Sample Status: Not Analyzed

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

*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%=1-8%, 10%=5-16%, 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.*
**Bulk Asbestos Fibers Analysis**

**By Polarized Light Microscopy**

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

**Attention:** Ms. Val Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Grey compressed fibrous material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Paint, Binder/Filler, Miscellaneous particles</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Cellulose 80%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** %  
**None Detected ND**

**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

---

**Lab ID:** 13069807  
**Client Sample #:** 4014-CAB3-24  
**Location:** Malaekahana Beach Park-Cabin 3

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Grey compressed fibrous material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Binder/Filler, Paint, Calcareous particles</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td>Cellulose 85%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** %  
**None Detected ND**

---

**Sampled by:** Client  
**Analyzed by:** Matt Macfarlane  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013  
**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%=±3%, 5%=±1%, 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.**
4705 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0160 Emerg Cell 206.614.4643
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

**NVL Batch ID** 13-4014

**Client** Enviroservices & Training CTR, LLC

**Street** 505 Ward Avenue, Suite 202
Honolulu, HI 96814

**Project Manager** Ms. Vai Roberts

**Project Location** Makakohana Beach Park

**Job Number** 24

**Total Samples** 1

**Turn Around Time** 3 Days

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

**Email:** vai@proelc.com  **Cell:** (808) 384-9590

**Tests Performed:**
- [x] Asbestos Bulk
- [ ] Asbestos Air
- [ ] PCM (NIOSH 7400)
- [ ] TEM (NIOSH 7402)
- [ ] TEM (AHERA)
- [ ] TEM (EPA Level II)
- [ ] Other
- [ ] Mold/Fungi
- [ ] PLM (EPA/800/R-03/116)
- [ ] PLM (EPA Point Count)
- [ ] PLM (EPA Gravimetry)
- [ ] TEM BULK

<table>
<thead>
<tr>
<th>METALS</th>
<th>Det. Limit</th>
<th>Matrix</th>
<th>Soil</th>
<th>Paint Chips in %</th>
<th>Paint Chips in cm</th>
<th>RCRA Metals</th>
<th>Other Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Total Metals</td>
<td>[ ] FAA (ppm)</td>
<td>[ ] Air Filter</td>
<td>[ ] Drinking water</td>
<td>[ ] Dust/wipe (Area)</td>
<td>[ ] Paint Chips in %</td>
<td>[ ] All 6</td>
<td>[ ] All 3</td>
</tr>
<tr>
<td>[ ] TCLP</td>
<td>[ ] ICP (ppm)</td>
<td>[ ]</td>
<td></td>
<td></td>
<td></td>
<td>[ ] Arsenic (As)</td>
<td>[ ]</td>
</tr>
<tr>
<td>[ ] Cr 6</td>
<td>[ ] GFAA (ppm)</td>
<td>[ ]</td>
<td></td>
<td></td>
<td></td>
<td>[ ] Barium (Ba)</td>
<td>[ ]</td>
</tr>
<tr>
<td>[ ] Other Types of Analysis</td>
<td>[ ]</td>
<td>[ ] Fiberglass</td>
<td>[ ] Silica</td>
<td>[ ] Nuisance Dust</td>
<td>[ ] Respirable Dust</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

**Condition of Package:**
- [ ] Good
- [x] Damaged (no spillage)
- [ ] Severe damage (spillage)

**Comments (e.g. sample area, sample volume, etc.):**
- Please See Attached

**Sampled by:**
- [ ]

**Reinstituted by:**
- [ ]

**Accepted by:**
- [ ]

**Analyzed by:**
- [ ]

**Results Called by:**
- [ ]

**Results Faxed by:**
- [ ]

**Print Below**

**Sign Below**

**Company**

**Date**

**Time**

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

**Stop 2 First Positive**
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CAB3-01</td>
<td>Kitchen/Living Room</td>
<td>12&quot;x12&quot; VFT w/mastic, Green</td>
</tr>
<tr>
<td>4014-CAB3-02</td>
<td>Hallway</td>
<td>Cementious Flooring w/mastic, Brown</td>
</tr>
<tr>
<td>4014-CAB3-03</td>
<td>Kitchen</td>
<td>Kitchen Sink Caulking</td>
</tr>
<tr>
<td>4014-CAB3-04</td>
<td>Kitchen</td>
<td>Cementious Wall Panels</td>
</tr>
<tr>
<td>4014-CAB3-05</td>
<td>Living Room</td>
<td>Drywall Wall</td>
</tr>
<tr>
<td>4014-CAB3-06</td>
<td>Kitchen/Restroom</td>
<td>Ceramic Counter Tiles w/grout, various colors</td>
</tr>
<tr>
<td>4014-CAB3-07</td>
<td>Roof</td>
<td>Black Asphaltic Roofing Material</td>
</tr>
<tr>
<td>4014-CAB3-08</td>
<td>Exterior</td>
<td>Cementious Wall Panels</td>
</tr>
<tr>
<td>4014-CAB3-09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB3-24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
May 8, 2013

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

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,

Nick Ly, Technical Director
NVL Laboratories, Inc

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

Bulk Asbestos Fibers Analysis
By Polarized Light Microscopy

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

Attention: Ma. 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-82-020

<table>
<thead>
<tr>
<th>Lab ID: 13069811</th>
<th>Client Sample #: 4014-CAB4-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park-Cabin 4</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 1 Description: Gray soft/elastic material</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td>Caulking compound, Binder/Filler</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Cellulose 2%</td>
<td></td>
</tr>
<tr>
<td>Spider silk 1%</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13069812</th>
<th>Client Sample #: 4014-CAB4-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park-Cabin 4</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 1 Description: Gray soft/elastic material</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td>Caulking compound, Binder/Filler</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Cellulose 3%</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13069813</th>
<th>Client Sample #: 4014-CAB4-03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park-Cabin 4</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 1 Description: Gray soft/elastic material</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td>Caulking compound, Binder/Filler</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Cellulose 4%</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13069814</th>
<th>Client Sample #: 4014-CAB4-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park-Cabin 4</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 2 Description: Gray vinyl</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td>Vinyl/Binder</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Cellulose 2%</td>
<td></td>
</tr>
<tr>
<td>Layer 2 of 2 Description: Clear soft mastic with granule</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td>Mastic/Binder, Granules</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Cellulose 4%</td>
<td></td>
</tr>
<tr>
<td>Synthetic fibers 3%</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly
Date: 05/08/2013

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800R-93/16 and EPA 600/M-02-002. 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.

Page 1 of 7
### Lab ID: 13069815  Client Sample #: 4014-CAB4-05
**Location:** Malaekahana Beach Park-Cabin 4  
**Layer 1 of 2**  
**Description:** Gray vinyl  
- Non-Fibrous Materials:
  - Vinyl/Blender  
  - Cellulose 3%  
**Other Fibrous Materials:** %  
**Asbestos Type:** %  
**None Detected ND**

**Layer 2 of 2**  
**Description:** Clear soft mastic with granule & paint  
- Non-Fibrous Materials:
  - Mastic/Blender, Granules, Paint  
  - Cellulose 5%  
**Other Fibrous Materials:** %  
**Asbestos Type:** %  
**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:
  - Vinyl/Blender  
  - Cellulose 2%  
**Other Fibrous Materials:** %  
**Asbestos Type:** %  
**None Detected ND**

**Layer 2 of 2**  
**Description:** Clear soft mastic  
- Non-Fibrous Materials:
  - Mastic/Blender  
  - Synthetic fibers 5%  
**Other Fibrous Materials:** %  
**Asbestos Type:** %  
**None Detected ND**

### 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:
  - Ceramic/Blender  
**Other Fibrous Materials:** %  
**Asbestos Type:** %  
**None Detected ND**

**Layer 2 of 2**  
**Description:** Gray sandy/brittle material with trace mastic  
- Non-Fibrous Materials:
  - Binder/Filler, Sand, Mastic/Blender  
  - Cellulose 4%  
**Other Fibrous Materials:** %  
**Asbestos Type:** %  
**None Detected ND**
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 605 Ward Avenue, Suite 202  
**Honolulu, HI 96814**

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

---

**Lab ID: 13069816**  
**Client Sample #: 4014-CAB4-08**  
**Location:** Malaekahana Beach Park-Cabin 4

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Multi-colored ceramic tile</td>
<td>Ceramic/Blender</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2</td>
<td>Gray sandy/brittle material with mastic</td>
<td>Cellulose 4%</td>
<td></td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID: 13069819**  
**Client Sample #: 4014-CAB4-09**  
**Location:** Malaekahana Beach Park-Cabin 4

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Multi-color ceramic tile</td>
<td>Ceramic/Blender</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2</td>
<td>Gray sandy/brittle material with mastic</td>
<td>Cellulose 2%</td>
<td></td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID: 13069820**  
**Client Sample #: 4014-CAB4-10**  
**Location:** Malaekahana Beach Park-Cabin 4

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White soft/elastic material with granule</td>
<td>Caulking compound, Granules</td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID: 13069821**  
**Client Sample #: 4014-CAB4-11**  
**Location:** Malaekahana Beach Park-Cabin 4

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Synthetic fibers 1%</td>
<td></td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Lorli Tseng  
**Reviewed by:** Nick Ly  
**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-82-020 Methods with the following measurement uncertainties for the reported % Asbestos: 1%=±3%, 5%=±6%, 10%=±8% -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.
**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:** Maleekahana 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

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft/elastic material with granule</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Caulking compound, Granules</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials: Cellulose 5%</td>
</tr>
<tr>
<td></td>
<td>Asbestos Type: % None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13069822  
**Client Sample #:** 4014-CAB4-12

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft/elastic material with granule</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Caulking compound, Granules</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials: Cellulose 3%</td>
</tr>
<tr>
<td></td>
<td>Asbestos Type: % None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13069823  
**Client Sample #:** 4014-CAB4-13

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Gray fibrous material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Binder/Filler, Paint</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials: Cellulose 69%</td>
</tr>
<tr>
<td></td>
<td>Asbestos Type: % None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13069824  
**Client Sample #:** 4014-CAB4-14

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Gray fibrous material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Binder/Filler, Paint</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials: Cellulose 70%</td>
</tr>
<tr>
<td></td>
<td>Asbestos Type: % None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13069825  
**Client Sample #:** 4014-CAB4-15

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Gray fibrous material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Binder/Filler, Paint</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials: Cellulose 68%</td>
</tr>
<tr>
<td></td>
<td>Asbestos Type: % None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13069826  
**Client Sample #:** 4014-CAB4-16

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Gray fibrous material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Binder/Filler, Paint</td>
</tr>
<tr>
<td></td>
<td>Other Fibrous Materials: Cellulose 69%</td>
</tr>
<tr>
<td></td>
<td>Asbestos Type: % None Detected ND</td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**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 600R-93/116 and EPA 600/M-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, the accuracy of the results is limited by the methodology and skill 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.
<table>
<thead>
<tr>
<th>Batch #: 1307407.00</th>
<th>Client Project #: 13-4014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Received: 05/06/2013</td>
<td>Samples Received: 27</td>
</tr>
<tr>
<td>Samples Analyzed: 25</td>
<td>Method: EPA/600/R-93/116 &amp; EPA/600/M-4-82-020</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caulking compound, Paint</td>
<td>Cellulose: 3%</td>
</tr>
<tr>
<td></td>
<td>Synthetic fibers: 2%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** None Detected ND

### Lab ID: 13069827 Client Sample #: 4014-CAB4-17

| Location: Malaekahana Beach Park-Cabin 4 |

**Asbestos Type:** None Detected ND

### Lab ID: 13069828 Client Sample #: 4014-CAB4-18

| Location: Malaekahana Beach Park-Cabin 4 |

**Asbestos Type:** None Detected ND

### Lab ID: 13069829 Client Sample #: 4014-CAB4-19

| Location: Malaekahana Beach Park-Cabin 4 |

**Asbestos Type:** None Detected ND

### Lab ID: 13069830 Client Sample #: 4014-CAB4-20

| Location: Malaekahana Beach Park-Cabin 4 |

**Asbestos Type:** None Detected ND

---

**Sampled by:** Client

**Analyzed by:** Lori Tseng

**Reviewed by:** Nick Ly

**Date:** 05/08/2013

**Note:** If samples are not homogeneous, than subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M-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, than 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.
<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Status</th>
<th>Asbestos Type: %</th>
<th>Non-Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069831</td>
<td>4014-CAB4-21</td>
<td></td>
<td></td>
<td>CAulking compound, Paint, Fine grains</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>13069832</td>
<td>4014-CAB4-22</td>
<td></td>
<td></td>
<td>Chrysotile 2%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td>13069833</td>
<td>4014-CAB4-23</td>
<td>Not Analyzed</td>
<td></td>
<td>Synthetic fibers 16%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td>13069834</td>
<td>4014-CAB4-24</td>
<td>Not Analyzed</td>
<td></td>
<td>Glass fibers 10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials:</td>
</tr>
<tr>
<td>13069835</td>
<td>4014-CAB4-25</td>
<td></td>
<td></td>
<td>Asbestos Type: %</td>
</tr>
</tbody>
</table>

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 8000R-03/116 and EPA 600/M-02/020 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 elicit product endorsement by NVLAP or any other agency of the US Government.
# 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**: 06/06/2013  
**Samples Received**: 27  
**Samples Analyzed**: 25  
**Method**: EPA/600/R-93/116  
& EPA/600/M-4-82-020

<table>
<thead>
<tr>
<th>Lab ID: 13069836</th>
<th>Client Sample #: 4014-CAB4-26</th>
<th>Location: Malaekahana Beach Park-Cabin 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Layer 1 of 1</strong></td>
<td><strong>Description</strong>: Gray cementitious/fibrous material</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td>Cement/Binder, Binder/Filler</td>
<td>Cellulose 71%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13069837</th>
<th>Client Sample #: 4014-CAB4-27</th>
<th>Location: Malaekahana Beach Park-Cabin 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Layer 1 of 1</strong></td>
<td><strong>Description</strong>: Gray cementitious/fibrous material</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td>Cement/Binder, Binder/Filler</td>
<td>Cellulose 73%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Sampled by**: Client  
**Analyzed by**: Lori Tseng  
**Date**: 05/08/2013  
**Reviewed by**: Nick Ly  
**Date**: 05/08/2013  

**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%=1-8%, 10%=3-15%, 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 skills 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 Batch ID**

**1307407**

**Client**
EnviroServices & Training CTR LLC

**Street**
505 Ward Avenue, Suite 202
Honolulu, HI 96814

**Project Manager**
Ms. Vel Roberts

**Project Location**
Maheleolana Beach Park
Cabin 4

**Phone**
(808) 839-7222

**Fax**
(808) 839-4455

**Client Job Number**
27

**Total Samples**
27

**Turn Around Time**
- 1-Hr
- 2-Hrs
- 1-2 Days
- 2-4 Days
- 4-8 Days
- 8-10 Days

**Other**
Please call for TAT less than 1-2 Hrs

**Email address**
vel@polo.com

<table>
<thead>
<tr>
<th>Metals</th>
<th>Description</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAF (ppm)</td>
<td>Air Filter</td>
<td>Soil</td>
</tr>
<tr>
<td>ICP (ppm)</td>
<td>Drinking Water</td>
<td>Paint Chips In %</td>
</tr>
<tr>
<td>GF AA (ppm)</td>
<td>Dust/Wipe (Area)</td>
<td>Paint Chips In cm</td>
</tr>
</tbody>
</table>

**Other Types of Analysis**
- Fiberglass
- Silica
- Nuisance Dust
- Respirable Dust
- Other (Specify)

**Condition of Package**
- Good
- Damaged (no spillage)
- Severe damage (spillage)

**Comments**
- Please See Attached

<table>
<thead>
<tr>
<th>Seq. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample info, Sample Volume, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Print Below**

**Sign Below**

**Company**

**Date**
4-22-13

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

*Please stay out first positive*
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CAB4-01</td>
<td>Kitchen</td>
<td>Kitchen Counter Caulking</td>
</tr>
<tr>
<td>4014-CAB4-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-03</td>
<td>Bedroom #2</td>
<td>Sheet Vinyl Flooring - Grey</td>
</tr>
<tr>
<td>4014-CAB4-04</td>
<td>Bathroom</td>
<td>Multi-Color Ceramic Floor Tiles w/mastic</td>
</tr>
<tr>
<td>4014-CAB4-05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-11</td>
<td>Bathroom</td>
<td>Bathroom Sink Caulking</td>
</tr>
<tr>
<td>4014-CAB4-12</td>
<td>Kitchen</td>
<td>Grey Flooring Panels</td>
</tr>
<tr>
<td>4014-CAB4-13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-14</td>
<td>Throughout</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-CAB4-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-18</td>
<td>Throughout</td>
<td>Window Caulking</td>
</tr>
<tr>
<td>4014-CAB4-19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-20</td>
<td>Roof</td>
<td>Black Asphalitic Roofing Material</td>
</tr>
<tr>
<td>4014-CAB4-21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-22</td>
<td>Exterior-Mauka Side</td>
<td>Cementious Wall Panels</td>
</tr>
<tr>
<td>4014-CAB4-23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB4-27</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
May 8, 2013

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,

Nick Ly, Technical Director

Enc.: Sample Results

Lab Code: 102063-0
**NVL Laboratories, Inc**

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1839
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

**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: 13069841  Client Sample #: 4014-CAB5-01**

Location: Malaekahana Beach Park-Cabin 5

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Description: White vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>Other Fibrous Materials:</td>
<td>%</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Brown soft mastic</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>%</td>
</tr>
<tr>
<td></td>
<td>Mastic/Binder</td>
<td>Cellulose 2%</td>
<td>Cellulose 6%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

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

Location: Malaekahana Beach Park-Cabin 5

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Description: White vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>Other Fibrous Materials:</td>
<td>%</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Yellow brittle mastic</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>%</td>
</tr>
<tr>
<td></td>
<td>Mastic/Binder</td>
<td>Cellulose 3%</td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

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

Location: Malaekahana Beach Park-Cabin 5

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Description: White vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>Other Fibrous Materials:</td>
<td>%</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Brown soft mastic</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>%</td>
</tr>
<tr>
<td></td>
<td>Mastic/Binder</td>
<td>Cellulose 2%</td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

Sampled by: Client
Analyzed by: Lori Tsang
Reviewed by: Nick Ly
Date: 05/08/2013

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%, 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.
### Lab ID: 13069844  Client Sample #: 4014-CAB5-04
Location: Malaekahana Beach Park-Cabin 5

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Gray vinyl tile</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Vinyl/Blinder, Mineral grains</td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mastic/Blinder, Fine grains</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Lab ID: 13069845  Client Sample #: 4014-CAB5-05
Location: Malaekahana Beach Park-Cabin 5

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Gray vinyl tile</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Vinyl/Blinder, Mineral grains</td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mastic/Blinder, Fine grains</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Lab ID: 13069846  Client Sample #: 4014-CAB5-06
Location: Malaekahana Beach Park-Cabin 5

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Gray vinyl tile</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Vinyl/Blinder, Mineral grains</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mastic/Blinder, Fine grains</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Lab ID: 13069847  Client Sample #: 4014-CAB5-07
Location: Malaekahana Beach Park-Cabin 5

Note: If samples are not homogeneous, then subsamples of the component were analyzed separately. All bulk samples are analyzed using both EPA 600/F-93/115 and EPA 600/M-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**

4708 Aurora Ave. N., Seattle, WA 98103  
Tel: 206.547.0100, Fax: 206.634.1936  
www.nvliebs.com

**Bulk Asbestos Fibers Analysis**  
By Polarized Light Microscopy

**Batch #: 1307409.00**

**Client Project #: 13-4014**  
**Date Received:** 09/06/2013  
**Samples Received:** 21  
**Samples Analyzed:** 19  
**Method:** EPA/600/R-93/116 & EPA/600/M-4-82-020

**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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Black vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>Cellulose</td>
<td>Asbestos Type: %</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Fibrous Materials: %</td>
<td>Chrysotile 3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 of 2</td>
<td>Black asphaltic mastic</td>
<td>Asphalt/Binder, Binder/Filler</td>
<td>Cellulose</td>
<td>Asbestos Type: %</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Fibrous Materials: %</td>
<td>Chrysotile 2%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

**Location:** Malaekahana Beach Park-Cabin 5  
**Layer 1 of 1**  
**Description:** Peach chalky material with paper & paint  
**Non-Fibrous Materials:** Gypsum/Binder, Binder/Filler, Paint  
**Other Fibrous Materials:** Cellulose 21%  
**Asbestos Type:** None Detected ND

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-93/116 and EPA 600/M-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 acceptability 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.
**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  

---

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

---

**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:**  
**Binder/Filler, Paint, Cement/Binder**  
**Other Fibrous Materials:** %  
**Cellulose:** 74%  
**Asbestos Type:** %  
**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:**  
**Cement/Binder, Paint, Binder/Filler**  
**Other Fibrous Materials:** %  
**Cellulose:** 71%  
**Asbestos Type:** %  
**None Detected ND**  

**Layer 2 of 2**  
**Description:** Tan fibrous material with paint  
**Non-Fibrous Materials:**  
**Binder/Filler, Paint**  
**Other Fibrous Materials:** %  
**Cellulose:** 61%  
**Asbestos Type:** %  
**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:**  
**Cement/Binder, Paint, Binder/Filler**  
**Other Fibrous Materials:** %  
**Cellulose:** 76%  
**Asbestos Type:** %  
**None Detected ND**  

---

**Lab ID:** 13069856  
**Client Sample #:** 4014-CAB5-16  
**Location:** Malaekahana Beach Park-Cabin 5  
**Sampled by:** [Name]  
**Analyzed by:** [Name]  
**Reviewed by:** [Name]  
**Date:** 05/08/2013  

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed per EPA 600/R-93/116 and EPA 600/M-92-020 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.
Client: EnviroServices & Training CTR, LLC  
Address: 605 Ward Avenue, Suite 202  
Honolulu, HI 96814

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

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Description</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069857</td>
<td>4014-CAB5-17</td>
<td>Gray cementitious/fibrous material</td>
<td>Cellulose 72%</td>
<td>None Detected</td>
</tr>
<tr>
<td>13069858</td>
<td>4014-CAB5-17</td>
<td>Gray cementitious/fibrous material</td>
<td>Cellulose 74%</td>
<td>None Detected</td>
</tr>
<tr>
<td>13069859</td>
<td>4014-CAB5-19</td>
<td>Gray cementitious/fibrous material with mastic</td>
<td>Cellulose 71%</td>
<td>None Detected</td>
</tr>
<tr>
<td>13069860</td>
<td>4014-CAB5-20</td>
<td>Black asphalitic fibrous material with granules</td>
<td>Glass fibers 24%</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

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-82-020. Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1.6%, 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 ecuity 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.
**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  

---  

**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  

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder, Binder/Filler, Granules</td>
<td>Glass fibers 23%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---  

**Sampled by:** Client  
**Analysted by:** Lori Tseng  
**Reviewed by:** Nick Ly  

**Date:** 05/08/2013  

---  

**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%=1-6%, 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.**
4706 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100  Emerg.Coll. 206.514.4345
Fax 206.534.1933  1.800.NVL.LABS (685.5227)

**CHAIN of CUSTODY SAMPLE LOG**

**NVL Batch ID** 1307409

**Client** EnviroServices & Training CTR, LLC
**Street** 505 Ward Avenue, Suite 202
**City** Honolulu, HI 96814

**Project Manager** Ms. Val Roberts
**Project Location** Makaha Beach Park

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

**Asbestos Air**  **PCM (NIOSH 7400)**  **TEM (NIOSH 7402)**  **TEM (AHERA)**  **TEM (EPA Level II)**  **Other**
**Asbestos Bulk**  **PLM (EPA Point Count)**  **PLM (EPA Gravimetry)**  **TEM BULK**

**Mold/Fungus**  **Mold Air**  **Mold Bulk**  **Rotometer Calibration**

**METALS**
- Total Metals
- TCLP
- Cr 6

**Det. Limit**
- FAA (ppm)
- ICP (ppm)
- GFAA (ppm)

**Matrix**
- Air Filter
- Drinking water
- Dustwipe (Area)
- Paint Chips in %
- Paint Chips in cm

**RCRA Metals**
- Arsenic (As)
- Barium (Ba)
- Cadmium (Cd)
- Chromium (Cr)
- Lead (Pb)
- Mercury (Hg)

**Other Metals**
- All 3
- Copper (Cu)
- Nickel (Ni)
- Zinc (Zn)

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

<table>
<thead>
<tr>
<th>Seq. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample are, Sample Volume, etc)</th>
<th>AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>Please See Attached</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Print Below**
**Sign Below**
**Company**
**Date**
**Time**

**Sampled by** Val Roberts  **Sign Below**
**Relinquished by** Val Roberts  **Company** ETC
**Received by** Max Reynolds  **Date** 4/23/13  **Time** 4:21:13
**Analyzed by** Lori Iwany  **Company** NVL
**Results Called by**  **Results Faxed by**

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

* Sig. 2  First Positive
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CAB5-01</td>
<td>Living Room</td>
<td>12&quot;x12&quot; VFT w/mastic, White w/Black Speckles under carpet</td>
</tr>
<tr>
<td>4014-CAB5-02</td>
<td>Kitchen</td>
<td>12&quot;x12&quot; VFT w/mastic, Grey w/replacements</td>
</tr>
<tr>
<td>4014-CAB5-03</td>
<td>Closets</td>
<td>9&quot;x 9&quot; VFT w/mastic, Black under carpet</td>
</tr>
<tr>
<td>4014-CAB5-04</td>
<td>Throughout</td>
<td>Drywall Walls</td>
</tr>
<tr>
<td>4014-CAB5-05</td>
<td>Interior/Living Room</td>
<td>Cementious Wall Panels</td>
</tr>
<tr>
<td>4014-CAB5-06</td>
<td>Exterior</td>
<td>Cementious Wall Panels</td>
</tr>
<tr>
<td>4014-CAB5-07</td>
<td>Exterior</td>
<td>Black Asphalitic Roofing Material</td>
</tr>
<tr>
<td>4014-CAB5-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CAB5-21</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
May 8, 2013

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

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307416.00

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 those 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,

[Signature]
Nick Ly, Technical Director
<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Location</th>
<th>Layer 1 of 2 Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Location</th>
<th>Layer 1 of 2 Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069891</td>
<td>4014-AB-01</td>
<td>Malaekahana Beach Park-Cabin 6 and 7</td>
<td>White textured powdery material with paint</td>
<td></td>
<td></td>
<td></td>
<td>13069891</td>
<td>4014-AB-02</td>
<td>Malaekahana Beach Park-Cabin 6 and 7</td>
<td>Trace white textured powdery material with paint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Calcareous particles, Paint</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Calcareous particles, Paint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
<td>Cellulose</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Fibrous Materials:</td>
<td></td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cellulose</td>
<td></td>
<td>26%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-03/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos: (1%=0-3%, 5%=1-9%, 10%=6-15%, 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.
# 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:** Malaeakahana Beach Park-Cabin 6 and 7

---

**Lab ID:** 13069894  
**Client Sample #:** 4014-AB-04  
**Location:** Malaeakahana Beach Park-Cabin 6 and 7  
**Layer 1 of 1**  
**Description:** Gray soft/loose material  
**Other Fibrous Materials:**  
<table>
<thead>
<tr>
<th>Material</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose</td>
<td>3</td>
</tr>
<tr>
<td>Chrysotile</td>
<td>5</td>
</tr>
</tbody>
</table>
**Asbestos Type:** %

---

**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:** Malaeakahana Beach Park-Cabin 6 and 7  
**Layer 1 of 1**  
**Description:** White/light brown soft/elastic material with paint  
**Other Fibrous Materials:**  
<table>
<thead>
<tr>
<th>Material</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose</td>
<td>2</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>
**Asbestos Type:** %

---

**Lab ID:** 13069898  
**Client Sample #:** 4014-AB-08  
**Location:** Malaeakahana Beach Park-Cabin 6 and 7  
**Layer 1 of 1**  
**Description:** White soft/elastic material  
**Other Fibrous Materials:**  
<table>
<thead>
<tr>
<th>Material</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose</td>
<td>3</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>
**Asbestos Type:** %

---

**Lab ID:** 13069899  
**Client Sample #:** 4014-AB-09  
**Location:** Malaeakahana 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

---

**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-82-020 methods with the following measurement uncertainties for the reported % Asbestos (1%=0-5%, 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.
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

Layer 1 of 1
Description: White soft/elastic material with paint and debris
Caulking compound, Paint, Wood flakes
Non-Fibrous Materials:          Other Fibrous Materials:%
Other Asbestos Type: %
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
Non-Fibrous Materials:          Other Fibrous Materials:%
Ceramic/Binder
None Detected ND

Layer 2 of 5
Description: White sandy/brittle material
Non-Fibrous Materials:          Other Fibrous Materials:%
Binder/Filler, Sand
Cellulose 2%

Layer 3 of 5
Description: Brown sandy/brittle material
Non-Fibrous Materials:          Other Fibrous Materials:%
Binder/Filler, Sand
Cellulose 4%

Layer 4 of 5
Description: Blue/grey vinyl tile
Non-Fibrous Materials:          Other Fibrous Materials:%
Vinyl/Blinder, Mineral grains
Cellulose 3%

Layer 5 of 5
Description: Yellow soft mastic
Non-Fibrous Materials:          Other Fibrous Materials:%
Mastic/Blinder
Cellulose 5%

Asbestos Type: %
Synthetic fibers 2%

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

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-62-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-5%, 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 quality 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.
## Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Batch #: 1307415.00**
- Client Project #: 13-4014
- Date Received: 05/06/2013
- Samples Received: 38
- Samples Analyzed: 32
- Method: EPA/600/R-93/116 & EPA/600/M-4-62-020

### Layer 1 of 4
- **Description:** Off-white ceramic tile
- **Non-Fibrous Materials:**
  - Ceramic/Binder
- **Other Fibrous Materials:**
  - None Detected
- **Asbestos Type:**
  - None Detected

### Layer 2 of 4
- **Description:** White sandy/brittle material
- **Non-Fibrous Materials:**
  - Binder/Filler, Sand
- **Other Fibrous Materials:**
  - Cellulose 3%, Synthetic fibers 1%
- **Asbestos Type:**
  - None Detected

### Layer 3 of 4
- **Description:** Blue-gray vinyl tile
- **Non-Fibrous Materials:**
  - Vinyl/Binder, Mineral grains
- **Other Fibrous Materials:**
  - Cellulose 3%
- **Asbestos Type:**
  - None Detected

### Layer 4 of 4
- **Description:** Yellow soft mastic
- **Non-Fibrous Materials:**
  - Mastic/Binder, Sand
- **Other Fibrous Materials:**
  - Cellulose 4%, Synthetic fibers 2%
- **Asbestos Type:**
  - None Detected

### Lab ID: 13069902  Client Sample #: 4014-AB-12
- Location: Malaekahana Beach Park-Cabin 6 and 7

### Layer 1 of 5
- **Description:** White/pink ceramic tile
- **Non-Fibrous Materials:**
  - Ceramic/Binder
- **Other Fibrous Materials:**
  - None Detected
- **Asbestos Type:**
  - None Detected

### Layer 2 of 5
- **Description:** White sandy/brittle material
- **Non-Fibrous Materials:**
  - Binder/Filler, Sand
- **Other Fibrous Materials:**
  - Cellulose 4%
- **Asbestos Type:**
  - None Detected

### Layer 3 of 5
- **Description:** Brown sandy/brittle material
- **Non-Fibrous Materials:**
  - Binder/Filler, Sand
- **Other Fibrous Materials:**
  - Cellulose 5%
- **Asbestos Type:**
  - None Detected

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013  
**Technical Director:** Nick Ly

**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-4-62-020 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 compliance by NVLAP or any other agency of the US Government.
## Bulk Asbestos Fibers Analysis

**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

---

### Layer 4 of 5

**Description:** Blue/gray vinyl tile with white paint  
**Non-Fibrous Materials:**  
- Vinyl/Binder, Mineral grains, Paint  
- Mastic/Binder, Miscellaneous particles, Wood flakes  
**Other Fibrous Materials:**  
- Other Fibrous Materials: %  
- Cellulose: 3%  
**Asbestos Type:** %  
- None Detected ND

### Layer 5 of 5

**Description:** Yellow soft mastic with debris  
**Non-Fibrous Materials:**  
- Mastic/Binder, Miscellaneous particles, Wood flakes  
**Other Fibrous Materials:**  
- Other Fibrous Materials: %  
- Cellulose: 5%  
**Asbestos Type:** %  
- None Detected ND

---

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

#### Layer 2 of 2

**Description:** Yellow soft mastic with blue paint and debris  
**Non-Fibrous Materials:**  
- Mastic/Binder, Paint, Wood flakes  
**Other Fibrous Materials:**  
- Other Fibrous Materials: %  
- Cellulose: 7%  
**Asbestos Type:** %  
- 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:**  
- Vinyl/Binder, Mineral grains, Paint  
**Other Fibrous Materials:**  
- Other Fibrous Materials: %  
- Talc fibers: 2%  
- Cellulose: 1%  
**Asbestos Type:** %  
- None Detected ND

#### Layer 2 of 2

**Description:** Yellow soft mastic with debris  
**Non-Fibrous Materials:**  
- Mastic/Binder, Fine particles  
**Other Fibrous Materials:**  
- Other Fibrous Materials: %  
- Cellulose: 5%  
**Asbestos Type:** %  
- 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  
**Technical Director:**

---

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 8000R-93/116 and EPA 600/M-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%±0-3%, 5%±1-5%, 10%±5 -15%, 20%±10-30%, 50%±40-50%). 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 demine product enforcement by NVLAP or any other agency of the US Government.
## Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 505 Ward Avenue, Suite 202  
**Hono...l, HI 96814**

**Attention:** Ms. Vel Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 6 and 7

---

**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:** Yellow soft mastic with paint  
**Non-Fibrous Materials:** Mastic/Binder, Paint  
**Other Fibrous Materials:** Cellulose 5%  
**Synthetic fibers:** 1%  
**Asbestos Type:** % None Detected ND

---

**Lab ID:** 13089906  
**Client Sample #:** 4014-AB-16  
**Location:** Malaekahana Beach Park-Cabin 6 and 7  
**Layer 1 of 1**  
**Description:** White/gray soft/elastic material  
**Non-Fibrous Materials:** Caulking compound, Binder/Filler  
**Other Fibrous Materials:** Cellulose 3%  
**Asbestos Type:** % None Detected ND

---

**Lab ID:** 13069907  
**Client Sample #:** 4014-AB-17  
**Location:** Malaekahana Beach Park-Cabin 6 and 7  
**Layer 1 of 1**  
**Description:** White soft/elastic material with trace paint  
**Non-Fibrous Materials:** Caulking compound, Binder/Filler, Paint  
**Other Fibrous Materials:** Cellulose 4%  
**Synthetic fibers:** 2%  
**Asbestos Type:** % None Detected ND

---

**Lab ID:** 13069908  
**Client Sample #:** 4014-AB-18  
**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:** Caulking compound, Binder/Filler, Paint  
**Other Fibrous Materials:** Cellulose 5%  
**Mastic/Binder:** Synthetic fibers 1%  
**Asbestos Type:** % 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:** 05/09/2013

---

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-93/116 and EPA 600/M-92-020 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
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**
By Polarized Light Microscopy

**Batch #: 1307415.00**
Client Project #: 13-4014
Date Received: 05/09/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

---

#### 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

---

**Layer 1 of 1**
- **Description:** White soft/elastic material with mastic
- **Caulking compound, Binder/Filler, Mastic/Binder**
- **Non-Fibrous Materials:**
  - Other Fibrous Materials: %
  - Cellulose: 6%

**Asbestos Type: %**
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
- **Caulking compound, Binder/Filler, Paint**
- **Non-Fibrous Materials:**
  - Other Fibrous Materials: %
  - Cellulose: 5%

**Asbestos Type: %**
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
- **Caulking compound, Binder/Filler, Paint**
- **Non-Fibrous Materials:**
  - Other Fibrous Materials: %
  - Cellulose: 7%

**Asbestos Type: %**
None Detected ND

---

**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:**
  - Vinyl/Blinder
  - Other Fibrous Materials: %
  - Cellulose: 2%

**Layer 2 of 2**
- **Description:** Clear soft mastic with powdery material and debris
- **Mastic/Blinder, Fine grains, Miscellaneous particles**
- **Non-Fibrous Materials:**
  - Other Fibrous Materials: %
  - Talc fibers: 7%
  - Cellulose: 3%

**Asbestos Type: %**
None Detected ND

---

**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:** 05/09/2013

**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-82-020 Methods. With the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-5%, 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.
**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

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Blue vinyl tile</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials: Vinyl/Binder</td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Clear soft mastic with debris</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mastic/Binder, Fine grains, Miscellaneous particles</td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Blue vinyl tile</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials: Vinyl/Binder</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Clear soft mastic with yellow brittle mastic and debris</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mastic/Binder, Fine grains, Miscellaneous particles</td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Black asphaltic fibrous material with granules and paint</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials: Asphalt/Binder, Binder/Filler, Granules</td>
<td>Cellulose 18%</td>
<td>Chrysotile 2%</td>
<td></td>
</tr>
</tbody>
</table>

**Lab ID:** 13069914  
**Client Sample #:** 4014-AB-24  
**Location:** Malaekahana Beach Park-Cabin 6 and 7

**Lab ID:** 13069915  
**Client Sample #:** 4014-AB-25  
**Location:** Malaekahana Beach Park-Cabin 6 and 7

**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-53/116 and EPA 600/M4-02-020. Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=6-15%, 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 accuracy 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: 206.634.1936
www.nvlabs.com

Bulk Asbestos Fibers Analysis
By Polarized Light Microscopy

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

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069917</td>
<td>4014-AB-27</td>
<td>Not Analyzed</td>
</tr>
<tr>
<td>13069918</td>
<td>4014-AB-28</td>
<td></td>
</tr>
<tr>
<td>13069919</td>
<td>4014-AB-29</td>
<td></td>
</tr>
</tbody>
</table>

Lab ID: 13069917
Client Sample #: 4014-AB-27
Sample Status: Not Analyzed

Lab ID: 13069918
Client Sample #: 4014-AB-28
Location: Malaeakahana Beach Park-Cabin 6 and 7
Layer 1 of 3 Description: Off-white cementitious/sandy material with paint
Non-Fibrous Materials: Cement/Binder, Sand, Paint
Other Fibrous Materials: % Cellulose 4%
Asbestos Type: % None Detected ND
Non-Fibrous Materials: Vinyl/Binder
Other Fibrous Materials: % Cellulose 2%
Asbestos Type: % None Detected ND
Layer 2 of 3 Description: Yellow soft mastic
Non-Fibrous Materials: Mastic/Binder
Other Fibrous Materials: % Cellulose 5%
Asbestos Type: % None Detected ND
Synthetic fibers 1%

Lab ID: 13069919
Client Sample #: 4014-AB-29
Location: Malaeakahana Beach Park-Cabin 6 and 7
Layer 1 of 2 Description: Off-white cementitious/sandy material with paint
Non-Fibrous Materials: Cement/Binder, Sand, Paint
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 5%
Asbestos Type: % None Detected ND

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly
Date: 05/08/2013

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. The following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-6%, 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

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  
Honoulu, HI 96814

**Attention:** Ms. Vel Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 6 and 7

**Lab ID:** 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:** 13069920  
**Client Sample #:** 4014-AB-30  
**Location:** Malaekahana Beach Park-Cabin 6 and 7

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Off-white cementitious/sandy material</th>
<th>Non-Fibrous Materials: Cement/Blinder, Sand</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Synthetic fibers 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 1%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Off-white vinyl tile</th>
<th>Non-Fibrous Materials: Vinyl/Blinder</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Yellow soft mastic</th>
<th>Non-Fibrous Materials: Mastic/Blinder</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 6%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID:** 13069921  
**Client Sample #:** 4014-AB-31  
**Location:** Malaekahana Beach Park-Cabin 6 and 7

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: White brittle material with paint</th>
<th>Non-Fibrous Materials: Caulking compound, Paint</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Lab ID:** 13069922  
**Client Sample #:** 4014-AB-32  
**Location:** Malaekahana Beach Park-Cabin 6 and 7

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: White brittle material with paint</th>
<th>Non-Fibrous Materials: Caulking compound, Paint</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**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  
**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-83/118 and EPA 600/M4-02-020. Methods with the following measurement uncertainties for the reported % Asbestos: (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-65%). 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Vel Roberts  
**Project Location:** Malaekahana Beach Park-Cabin 6 and 7

| Layer 1 of 1 | Description: White brittle material with paint  
| Non-Fibrous Materials: | Other Fibrous Materials:% | Asbestos Type: % |
| 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 1 of 3 | Description: Gray vinyl tile  
| Non-Fibrous Materials: | Other Fibrous Materials:% | Asbestos Type: % |
| Vinyl/Binder, Mineral grains, Paint | Cellulose 2% | None Detected ND |

| Layer 2 of 3 | Description: Yellow soft mastic with paint  
| Non-Fibrous Materials: | Other Fibrous Materials:% | Asbestos Type: % |
| Mastic/Binder, Paint | Cellulose 4% | None Detected ND |
| Synthetic fibers 2% |

| Layer 3 of 3 | Description: Brown sandy/brittle material with paint  
| Non-Fibrous Materials: | Other Fibrous Materials:% | Asbestos Type: % |
| 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 1 of 2 | Description: Brown sandy/brittle material with paint  
| Non-Fibrous Materials: | Other Fibrous Materials:% | Asbestos Type: % |
| Binder/Filler, Sand, Paint | Cellulose 4% | None Detected ND |

| Layer 2 of 2 | Description: White sandy/brittle material  
| Non-Fibrous Materials: | Other Fibrous Materials:% | Asbestos Type: % |
| 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  
**Technical Director**

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 620/R-93/116 and EPA 600/M-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.
## Bulk Asbestos Fibers Analysis

### By Polarized Light Microscopy

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 605 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

---

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Location</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069926</td>
<td>4014-AB-36</td>
<td>Malaekahana Beach Park-Cabin 6 and 7</td>
<td>Multi-colored ceramic tile</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 2</td>
<td></td>
<td></td>
<td>Ceramic/Binder</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td></td>
<td>White sandy/brittle material with paint</td>
<td>Non-Fibrous Materials: Binder/Filler, Sand, Paint</td>
<td>Other Fibrous Materials: Cellulose</td>
<td>4%</td>
<td></td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013

**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.
**NVL Laboratories, Inc.**  
4708 Aurora Ave N, Seattle, WA 98103  
Tel 206.547.0100 Emerg.Cell. 206.914.4845  
Fax 206.634.1936 1.888.NVL.LABS (885.5227)

**CHAIN of CUSTODY**  
**SAMPLE LOG**  

---

**NVL Batch ID**  
**13-07415**

---

**Client:** EnviroServices & Training CTR, LLC  
**Street:** 505 Ward Avenue, Suite 202  
**Hilo, HI 96714**  
**Project Manager:** Ms. Vel Roberts  
**Project Location:** Hilo, HI 96714  

---

**Phone:** (808) 839-7222  
**Fax:** (808) 839-4455  
**Email address:** vel@goloetc.com

---

<table>
<thead>
<tr>
<th>Test Type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Asbestos Air</td>
<td></td>
</tr>
<tr>
<td>PCM (NIOSH 7400)</td>
<td></td>
</tr>
<tr>
<td>TEM (NIOSH 7402)</td>
<td></td>
</tr>
<tr>
<td>TEM (AHRA)</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Asbestos Bulk</td>
<td></td>
</tr>
<tr>
<td>PLM (EPA/600/IR-93/118)</td>
<td></td>
</tr>
<tr>
<td>PLM (EPA Point Count)</td>
<td></td>
</tr>
<tr>
<td>PLM (EPA Gravimetry)</td>
<td></td>
</tr>
<tr>
<td>TEM BULK</td>
<td></td>
</tr>
<tr>
<td>Mold/Fungi</td>
<td></td>
</tr>
<tr>
<td>Mold Air</td>
<td></td>
</tr>
<tr>
<td>Mold Bulk</td>
<td></td>
</tr>
<tr>
<td>Rotameter Calibration</td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>METALS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Metals</td>
<td></td>
</tr>
<tr>
<td>TCLP</td>
<td></td>
</tr>
<tr>
<td>Cr B</td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Matrix</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Filter</td>
<td></td>
</tr>
<tr>
<td>Drinking water</td>
<td></td>
</tr>
<tr>
<td>Paint Chips In %</td>
<td></td>
</tr>
<tr>
<td>Paint Chips In on</td>
<td></td>
</tr>
<tr>
<td>Rcra Metals</td>
<td></td>
</tr>
<tr>
<td>All B</td>
<td></td>
</tr>
<tr>
<td>All 3</td>
<td></td>
</tr>
<tr>
<td>Chromium (Cr)</td>
<td></td>
</tr>
<tr>
<td>Barium (Ba)</td>
<td></td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td></td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td></td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td></td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Other Metals</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>All 3</td>
<td></td>
</tr>
<tr>
<td>Copper (Cu)</td>
<td></td>
</tr>
<tr>
<td>Nickel (Ni)</td>
<td></td>
</tr>
</tbody>
</table>

---

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

---

<table>
<thead>
<tr>
<th>Seq. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample are, Sample Volume, etc)</th>
<th>AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td><strong>Please see attached</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Sampled by</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vel Roberts</td>
<td></td>
</tr>
<tr>
<td>Remitted by</td>
<td></td>
</tr>
<tr>
<td>Vel Roberts</td>
<td></td>
</tr>
<tr>
<td>Received by</td>
<td></td>
</tr>
<tr>
<td>Niall Ryan</td>
<td></td>
</tr>
<tr>
<td>Analyzed by</td>
<td></td>
</tr>
<tr>
<td>Jon Tseng</td>
<td></td>
</tr>
<tr>
<td>Results Called by</td>
<td></td>
</tr>
<tr>
<td>Results Faxed by</td>
<td></td>
</tr>
</tbody>
</table>

---

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

**Stop & First Positive**
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-AB-01</td>
<td>Throughout</td>
<td>Drywall Wall</td>
</tr>
<tr>
<td>4014-AB-02</td>
<td>Dinning Room</td>
<td>Grey Sink Undercoat</td>
</tr>
<tr>
<td>4014-AB-03</td>
<td>Throughout</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-AB-04</td>
<td>Dinning Room</td>
<td>12&quot;x12&quot; Lt. Blue Textured Floor Tile under Ceramic Floor Tiles w/mastic</td>
</tr>
<tr>
<td>4014-AB-05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-14</td>
<td>Throughout</td>
<td>12&quot;x12&quot; Lt. Blue Textured Vinyl Floor Tile w/mastic</td>
</tr>
<tr>
<td>4014-AB-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-16</td>
<td>Bathroom</td>
<td>Counter Caulking</td>
</tr>
<tr>
<td>4014-AB-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-18</td>
<td>Kitchen</td>
<td>Counter Caulking</td>
</tr>
<tr>
<td>4014-AB-19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-20</td>
<td>Bedroom</td>
<td>Blue Sheet Vinyl Flooring w/mastic</td>
</tr>
<tr>
<td>4014-AB-21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-22</td>
<td>Roof</td>
<td>Black Asphallic Roofing Material</td>
</tr>
<tr>
<td>4014-AB-23</td>
<td>Bathroom</td>
<td>Cementious Flooring w/mastic</td>
</tr>
<tr>
<td>4014-AB-24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-34</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-AB-35</td>
<td>Hallway</td>
<td>Multi-Color Ceramic Floor Tile w/replacements</td>
</tr>
<tr>
<td>4014-AB-36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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,

[Signature]

Nick Ly, Technical Director
# 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

**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  
**Signed:** 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 600R-90/116 and EPA 600/M-82-020. Methods with the following measurement uncertainties for the reported % Asbestos (1% = 0-3%, 5% = 1-6%, 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.

---

Page 1 of 7
**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

**Batch #: 1307420.00**

**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

<table>
<thead>
<tr>
<th>Layer of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White compacted powdary material with paint</td>
<td>Calcaceous particles, Paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2</td>
<td>Peach chalky material with paper</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gypsum/Binder, Binder/Filler</td>
<td></td>
<td>Cellulose 22%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Glass fibers 5%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13069941**  
**Client Sample #: 4014-Office-05**  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White textured powdary material with paint</td>
<td>Calcaceous particles, Paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2</td>
<td>White chalky material with paper</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gypsum/Binder, Binder/Filler</td>
<td></td>
<td>Cellulose 23%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Glass fibers 6%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13069942**  
**Client Sample #: 4014-Office-06**  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White textured powdary material with paint</td>
<td>Calcaceous particles, Paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 5%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2</td>
<td>Peach chalky material with paper</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gypsum/Binder, Binder/Filler</td>
<td></td>
<td>Cellulose 21%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Glass fibers 7%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013  
**Date:** 05/08/2013  
**Nicko:** Technical Director

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-93/116 and EPA 600/M-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 faculty 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.
<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Location</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069943</td>
<td>4014-Office-07</td>
<td>Malaekahana Beach Park-Security Residence Office</td>
<td>White soft/elastic material</td>
<td></td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Caulking compound, Binder/Filler</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13069944</td>
<td>4014-Office-08</td>
<td>Malaekahana Beach Park-Security Residence Office</td>
<td>White soft/elastic material</td>
<td></td>
<td>Cellulose 4%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Caulking compound, Binder/Filler</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13069945</td>
<td>4014-Office-09</td>
<td>Malaekahana Beach Park-Security Residence Office</td>
<td>White soft/elastic material</td>
<td></td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Caulking compound, Binder/Filler</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13069946</td>
<td>4014-Office-10</td>
<td>Malaekahana Beach Park-Security Residence Office</td>
<td>Black ceramic tile</td>
<td></td>
<td></td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials: Ceramic/Binder</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Layer 2 of 2: Gray sandy/brittle material with mastic</td>
<td></td>
<td></td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Non-Fibrous Materials: Binder/Filler, Sand, Mastic/Binder</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cellulose 3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Synthetic fibers 2%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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%=±1.6%, 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.
**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

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ceramic/Binder</td>
<td></td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Gray sandy/britle material with mastic</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type:</td>
</tr>
<tr>
<td></td>
<td>Binder/Filler, Sand, Mastic/Binder</td>
<td></td>
<td>Cellulose 5%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Synthetic fibers 1%</td>
<td></td>
</tr>
</tbody>
</table>

**Lab ID:** 13069948  
**Client Sample #:** 4014-Office-12  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ceramic/Binder</td>
<td></td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Trace gray sandy/britle material with mastic</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type:</td>
</tr>
<tr>
<td></td>
<td>Binder/Filler, Sand, Mastic/Binder</td>
<td></td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Synthetic fibers 1%</td>
<td></td>
</tr>
</tbody>
</table>

**Lab ID:** 13069949  
**Client Sample #:** 4014-Office-13  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: White vinyl tile</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vinyl/Binder, Mineral grains</td>
<td></td>
<td>Cellulose 3%</td>
<td>Chrysotile 3%</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Black asphaltic mastic with powdery material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type:</td>
</tr>
<tr>
<td></td>
<td>Asphalt/Binder, Binder/Filler, Calcareous particles</td>
<td></td>
<td>Cellulose 6%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Synthetic fibers 2%</td>
<td></td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013

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-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=6 -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 acuteness 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.
### Lab ID: 13069950  Client Sample #: 4014-Office-14

**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>White vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>Cellulose 4%</td>
<td>Asbestos Type: % Chrysotile 2%</td>
<td></td>
</tr>
<tr>
<td>2 of 2</td>
<td>Black asphaltic mastic with powdery material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type: % None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>White vinyl tile</td>
<td>Vinyl/Binder, Mineral grains</td>
<td>Cellulose 2%</td>
<td>Asbestos Type: % Chrysotile 3%</td>
<td></td>
</tr>
<tr>
<td>2 of 2</td>
<td>Black asphaltic mastic</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type: % None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Off-white ceramic tile</td>
<td>Ceramic/Binder</td>
<td>None Detected ND</td>
<td>Asbestos Type: % None Detected ND</td>
<td></td>
</tr>
<tr>
<td>2 of 2</td>
<td>Gray sandy/brittle material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type: % None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

**Sampled by:** Client

**Analyzed by:** Lori Tseng

**Reviewed by:** Nick Ly

**Date:** 05/06/2013

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-90-16 and EPA 600/M-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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

<table>
<thead>
<tr>
<th>Batch #: 1307420.00</th>
<th>Client Project #: 13-4014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Received: 05/06/2013</td>
<td>Samples Received: 21</td>
</tr>
<tr>
<td>Samples Analyzed: 21</td>
<td>Method: EPA/600/R-93/116</td>
</tr>
<tr>
<td>&amp; EPA/600/M-4-82-020</td>
<td></td>
</tr>
</tbody>
</table>

**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

### Lab ID: 13069953  
**Client Sample #: 4014-Office-17**  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Off-white ceramic tile</th>
<th>Layer 2 of 2</th>
<th>Description: Trace gray sandy/brittle material</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Fibrous Materials:</strong></td>
<td></td>
<td><strong>Non-Fibrous Materials:</strong></td>
<td></td>
</tr>
<tr>
<td>Ceramic/Binder</td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other Fibrous Materials:</strong></td>
<td></td>
<td><strong>Other Fibrous Materials:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Asbestos Type:** %

### Lab ID: 13069954  
**Client Sample #: 4014-Office-18**  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Off-white ceramic tile</th>
<th>Layer 2 of 2</th>
<th>Description: Gray sandy/brittle material with mastic and paint</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Fibrous Materials:</strong></td>
<td></td>
<td><strong>Non-Fibrous Materials:</strong></td>
<td></td>
</tr>
<tr>
<td>Ceramic/Binder</td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Asbestos Type:** %

### Lab ID: 13069955  
**Client Sample #: 4014-Office-19**  
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Gray/white soft/elastic material with paint</th>
<th>Layer 2 of 2</th>
<th>Description: Black asphaltic fibrous material</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Fibrous Materials:</strong></td>
<td></td>
<td><strong>Non-Fibrous Materials:</strong></td>
<td></td>
</tr>
<tr>
<td>Binder/Filler, Paint</td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Asbestos Type:** %

---

**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 sub-samples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-03/116 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 quality of the sample collection. 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.
### Lab ID: 13069956  Client Sample #: 4014-Office-20
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Gray/white soft/elastic material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>Binder/Filler, Paint</td>
<td>Cellulose 4%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Black asphaltic fibrous material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>Asphalt/Binder, Binder/Filler, Fine grains</td>
<td>Glass fibers 69%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

---

### Lab ID: 13069957  Client Sample #: 4014-Office-21
**Location:** Malaekahana Beach Park-Security Residence Office

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Gray/white soft/elastic material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>Binder/Filler, Paint</td>
<td>Cellulose 2%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Black asphaltic fibrous material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>Asphalt/Binder, Binder/Filler, Fine grains</td>
<td>Glass fibers 68%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

---

**Sampled by:** Client  
**Analyzed by:** Lori Tseng  
**Reviewed by:** Nick Ly  
**Date:** 05/08/2013

**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-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 skill 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.
4786 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell 206.914.4943
Fax 206.634.1935 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
**City** Honolulu, HI 96814

**Project Manager** Ms. Vel Roberts
**Project Location** Maileahana Beach Park

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

<table>
<thead>
<tr>
<th>Asbestos Air</th>
<th>PCM (NIOSH 7400)</th>
<th>TEM (NIOSH 7402)</th>
<th>TEM (AHRA)</th>
<th>TEM (EPA Level II)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑ Asbestos Bulk</td>
<td>NPLM (EPA/600/R-93/115)</td>
<td>PLM (EPA Point Count)</td>
<td>PLM (EPA Gravimetry)</td>
<td>TEM BULK</td>
<td></td>
</tr>
<tr>
<td>☑ Mold</td>
<td>Mold Air</td>
<td>Mold Bulk</td>
<td>Rotometer Calibration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☑ Metals</td>
<td>Det. Limit</td>
<td>Matrix</td>
<td>RCRA Metals</td>
<td>☑ All 8</td>
<td>Other Metals</td>
</tr>
<tr>
<td>☑ Total Metals</td>
<td>PAA (ppm)</td>
<td>Air Filter</td>
<td>☑ Arsenic (As)</td>
<td>☑ Chromium (Cr)</td>
<td>☑ Copper (Cu)</td>
</tr>
<tr>
<td>☑ TCLP</td>
<td>ICP (ppm)</td>
<td>Drinking Water</td>
<td>☑ Barium (Ba)</td>
<td>☑ Lead (Pb)</td>
<td>☑ Nickel (Ni)</td>
</tr>
<tr>
<td>☑ Cr 6</td>
<td>GFAP (ppm)</td>
<td>Dust Wipes (Area)</td>
<td>☑ Cadmium (Cd)</td>
<td>☑ Mercury (Hg)</td>
<td>☑ Zinc (Zn)</td>
</tr>
</tbody>
</table>

| ☑ Other Types of Analysis | ☑ Fiberglass | ☑ Silica | ☑ Nuisance Dust | ☑ Respirable Dust | ☑ Other (Specify) |

**Condition of Package:**
☑ Food  ☐ Damaged (no spillage)  ☐ Severe damage (spillage)

<table>
<thead>
<tr>
<th>Seq. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample date, Sample volume, etc.)</th>
<th>AIR</th>
</tr>
</thead>
</table>

1
2

3
4
5
6
7
8
9
10
11
12
13
14
15

**Sampled by:** Vel Roberts
**Signed by:** Vel Roberts
**Company:** NVL
**Date:** 11/13
**Time:** 10:17

**Re-labeled by:** Vel Roberts
**Received by:** Nia Raymond
**Analyzed by:** Leo Tseung
**Results Called by:**
**Results Faxed by:**

**Stop 2 First Positive**

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-Office-01</td>
<td>Kitchen</td>
<td>12&quot;x12&quot; VFT Checkered Pattern White &amp; Blue w/mastic</td>
</tr>
<tr>
<td>4014-Office-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-05</td>
<td>Throughout</td>
<td>Drywall Walls &amp; Ceilings</td>
</tr>
<tr>
<td>4014-Office-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-07</td>
<td>Kitchen Counter</td>
<td>Kitchen Counter Caulking</td>
</tr>
<tr>
<td>4014-Office-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-09</td>
<td>Kitchen Counter</td>
<td>Ceramic Tile Counter w/grout</td>
</tr>
<tr>
<td>4014-Office-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-11</td>
<td>Bedroom 2</td>
<td>12x12 VFT White w/mastic</td>
</tr>
<tr>
<td>4014-Office-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-13</td>
<td>Restroom Sink</td>
<td>Ceramic Tile Counter w/grout</td>
</tr>
<tr>
<td>4014-Office-14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-15</td>
<td>Exterior/Roof</td>
<td>Black Asphaltic Roofing Material</td>
</tr>
<tr>
<td>4014-Office-16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-Office-21</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 Asphalitic 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 (Aron 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

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-93/118 (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,

[Signature]

Nick Ly, Technical Director
## Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

---

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Maleaehana Beach Park(CCR)-Chapman Caretaker Residence

---

### Lab ID: 13092239  
**Client Sample #:** 4014-CCR-01  
**Location:** Maleaehana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 1</td>
<td>Brown soft vinyl tile</td>
<td>Vinyl/Blinder, Granules</td>
<td>Cellulose 5%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

### Lab ID: 13092240  
**Client Sample #:** 4014-CCR-02  
**Location:** Maleaehana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Brown wood pattern vinyl tile</td>
<td>Vinyl/Blinder</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Trace tan soft mastic</td>
<td>Mastic/Blinder</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

### Lab ID: 13092241  
**Client Sample #:** 4014-CCR-03  
**Location:** Maleaehana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Brown wood pattern vinyl tile</td>
<td>Vinyl/Blinder</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>2 of 2</td>
<td>Trace yellow soft mastic</td>
<td>Mastic/Blinder</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

### Lab ID: 13092242  
**Client Sample #:** 4014-CCR-04  
**Location:** Maleaehana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Off-white vinyl tile</td>
<td>Vinyl/Blinder, Granules</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013

---

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 800/R-83-118 and 600/44-02-202 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.
Client: EnviroServices & Training CTR, LLC
Address: 506 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

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

Layer 2 of 2
Description: Off-white soft mastic
Non-Fibrous Materials: Other Fibrous Materials:%
Mastic/Blender Cellulose 2%

Asbestos Type: % 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:%
Vinyl/Blender, Granules Cellulose 2%

Asbestos Type: % None Detected ND

Layer 2 of 2
Description: Tan soft mastic
Non-Fibrous Materials: Other Fibrous Materials:%
Mastic/Blender Cellulose 2%

Asbestos Type: % 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:%
Vinyl/Blender, Granules Cellulose 2%

Asbestos Type: % None Detected ND

Layer 2 of 2
Description: Tan soft mastic
Non-Fibrous Materials: Other Fibrous Materials:%
Mastic/Blender Cellulose 2%

Asbestos Type: % 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:%
Ceramic/Blender Cellulose 2%

Asbestos Type: % None Detected ND

Sampled by: Client
Date: 07/11/2013
Reviewed by: Nick Ly
Date: 07/11/2013

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%, 5%=1-6%, 10%=6-15%, 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 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: 206.834.1938
www.nvllabs.com

Bulk Asbestos Fibers Analysis
By Polarized Light Microscopy

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

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

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: Other Fibrous Materials:
Binder/Filler, Granules Cellulose 3%
Asbestos Type: % None Detected ND

Layer 3 of 3
Description: Gray brittle sandy material
Non-Fibrous Materials: Other Fibrous Materials:
Binder/Filler, Granules 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: Other Fibrous Materials:
Ceramic/Binder None Detected ND
Asbestos Type: % None Detected ND

Layer 2 of 3
Description: White soft sandy material
Non-Fibrous Materials: Other Fibrous Materials:
Binder/Filler, Granules Cellulose 6%
Asbestos Type: % None Detected ND

Layer 3 of 3
Description: Gray brittle sandy material
Non-Fibrous Materials: Other Fibrous Materials:
Binder/Filler, Granules 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: Other Fibrous Materials:
Ceramic/Binder None Detected ND
Asbestos Type: % None Detected ND

Layer 2 of 3
Description: White soft sandy material
Non-Fibrous Materials: Other Fibrous Materials:
Binder/Filler, Granules 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

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 800/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0.5%, 5%=1.25%, 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.
**NVL Laboratories, Inc**

**4709 Aurora Ave. N., Seattle, WA 98103**
Tel: 206.647.0100, Fax: 206.634.1938
www.nvlabs.com

---

**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

---

**Client:** EnviroService & Training CTR, LLC  
**Address:** 505 Ward Avenue, Suite 202  
Honolulu, Hi 96814

**Attention:** Ms. Deana Sueoka  
**Project Location:** Maleakahana Beach Park(CCR)-Chapman Caretaker Residence

---

### 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

---

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Gray brittle sandy material</td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

### Lab ID: 13092248  
**Client Sample #:** 4014-CCR-10  
**Location:** Maleakahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White brittle material with paint</td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

### Lab ID: 13092249  
**Client Sample #:** 4014-CCR-11  
**Location:** Maleakahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White brittle material with paint</td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

### Lab ID: 13092250  
**Client Sample #:** 4014-CCR-12  
**Location:** Maleakahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White brittle material with paint</td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

### Lab ID: 13092251  
**Client Sample #:** 4014-CCR-13  
**Location:** Maleakahana Beach Park(CCR)-Chapman Caretaker Residence

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013

---

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, the accuracy of the result 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.
### Bulb Asbestos Fibers Analysis

**By Polarized Light Microscopy**

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: White compacted powdery material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Calcaceous binder, Paint</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: White chalky material with paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Gypsum/Binder, Mica</td>
<td>Cellulose 26%</td>
</tr>
<tr>
<td>Glass fibers</td>
<td>2%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

---

**Lab ID: 13092252 Client Sample #: 4014-CCR-14**

**Location:** Malaekahana Beach Park CCR-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: White compacted powdery material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Calcaceous binder, Paint</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: White compacted powdery material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Calcaceous binder, Paint</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Off-white chalky material with paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Gypsum/Binder</td>
<td>Cellulose 23%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

---

**Lab ID: 13092253 Client Sample #: 4014-CCR-15**

**Location:** Malaekahana Beach Park CCR-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: White brittle material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Trace white chalky material with paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Gypsum/Binder</td>
<td>Cellulose 90%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

---

**Client: EnviroServices & Training CTR, LLC**

**Address:** 505 Ward Avenue, Suite 202
Honolulu, HI 96814

**Attention:** Ms. Deana Sueoka

**Project Location:** Malaekahana Beach Park CCR-Chapman Caretaker Residence

**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/M-82-020

---

**Sampled by:** Client

**Analyzed by:** Jason Stuhr

**Reviewed by:** Nick Ly

**Date:** 07/11/2013

**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/M-82-C20 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-5%, 10%=5-16%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If samples were 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.

---

**Page 5 of 10**
NVL Laboratories, Inc
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0010, Fax: 206.834.1936
www.nvlabs.com

Bulk Asbestos Fibers Analysis
By Polarized Light Microscopy

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

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

Attention: Ms. Deana Sukeoa
Project Location: Malealakahana Beach Park(CCR)-Chapman Caretaker Residence

Lab ID: 13092254  Client Sample #: 4014-CCR-16
Location: Malealakahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2  Description: White soft material
Non-Fibrous Materials: Other Fibrous Materials:
Caulking compound
None Detected  ND

Layer 2 of 2  Description: Pink brittle material
Non-Fibrous Materials:
Other Fibrous Materials:
Binder/Filler
None Detected  ND

Asbestos Type: %
None Detected ND

Lab ID: 13092255  Client Sample #: 4014-CCR-17
Location: Malealakahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2  Description: White soft material
Non-Fibrous Materials: Other Fibrous Materials:
Caulking compound
None Detected  ND

Layer 2 of 2  Description: Brown fibrous material
Non-Fibrous Materials:
Other Fibrous Materials:
Fine particles
Cellulose 85%
Hair 13%

Asbestos Type: %
None Detected ND

Lab ID: 13092256  Client Sample #: 4014-CCR-18
Location: Malealakahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1  Description: White soft material
Non-Fibrous Materials: Other Fibrous Materials:
Caulking compound
Cellulose 8%

Asbestos Type: %
None Detected ND

Lab ID: 13092257  Client Sample #: 4014-CCR-19
Location: Malealakahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client
Analyzed by: Jason Stuhv
Reviewed by: Nick Ly
Date: 07/11/2013
Date: 07/11/2013

Note: If samples are not homogenous, then sub-samples 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%=10-16%, 20%=10-30%, 60%=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.

Page 8 of 10
**NVL Laboratories, Inc**

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.534.1996
www.nvlabs.com

---

**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

**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

---

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 505 Ward Avenue, Suite 202  
**Honolulu, HI 96814**  
**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Location</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
<th>Sample Status:</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092258</td>
<td>4014-CCR-20</td>
<td>Malaekahana Beach Park (CCR)-Chapman Caretaker Residence</td>
<td>White thin soft material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type:</td>
<td>Sample Status:</td>
</tr>
<tr>
<td>13092259</td>
<td>4014-CCR-21</td>
<td>Malaekahana Beach Park (CCR)-Chapman Caretaker Residence</td>
<td>White thin soft material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type:</td>
<td>Sample Status:</td>
</tr>
<tr>
<td>13092260</td>
<td>4014-CCR-22</td>
<td>Malaekahana Beach Park (CCR)-Chapman Caretaker Residence</td>
<td>Black soft asphaltic material</td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
<td>Asbestos Type:</td>
<td>Sample Status:</td>
</tr>
<tr>
<td>13092261</td>
<td>4014-CCR-23</td>
<td>Malaekahana Beach Park (CCR)-Chapman Caretaker Residence</td>
<td>None Detected</td>
<td>None Detected</td>
<td>None Detected</td>
<td>None Detected</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

---

**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%=±10-20%, 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.

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhrl  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013
Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

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:
Caulking compound  Cellulose  2%  Asbestos Type: % 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:
Caulking compound  Cellulose  3%  Asbestos Type: % 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:
Caulking compound  Cellulose  2%  Asbestos Type: % 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:
Binder/Filler  Cellulose  2%  Asbestos Type: % None Detected ND

Lab ID: 13092267  Client Sample #: 4014-CCR-29
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client  Date: 07/11/2013
Analyzed by: Jason Stuhr  Reviewed by: Nick Ly  Technical Director

Note: If samples are not homogenous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/118 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 refers 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 quality 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

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

Attention: Ms. Dana Sueoka  
Project Location: Maiaakahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
</tr>
<tr>
<td>Binder/Filler</td>
<td>Celulose</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

**Lab ID: 13092268**  
Client Sample #: 4014-CCR-30  
Location: Maiaakahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white sandy material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
</tr>
<tr>
<td>Binder/Filler, Quartz</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

**Lab ID: 13092269**  
Client Sample #: 4014-CCR-31  
Location: Maiaakahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Beige ceramic tile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
</tr>
<tr>
<td>Ceramic/Binder</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Off-white soft mastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
</tr>
<tr>
<td>Mastic/Binder</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Gray sandy material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
</tr>
<tr>
<td>Binder/Filler, Granules</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

**Lab ID: 13092270**  
Client Sample #: 4014-CCR-32  
Location: Maiaakahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Beige ceramic tile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
</tr>
<tr>
<td>Ceramic/Binder</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013

---

Note: If samples are not homogenous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/119 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-5%, 5%=1-5%, 10%=5-15%, 20%=10-30%, 50%=40-90%). 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 quality 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 2 of 3</td>
<td>Off-white soft mastic</td>
<td>Non-Fibrous Materials: Mastic/Binder</td>
<td>Other Fibrous Materials: None Detected</td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Layer 3 of 3</td>
<td>Gray sandy material</td>
<td>Non-Fibrous Materials: Ceramic/Binder, Granules</td>
<td>Other Fibrous Materials: Cellulose</td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092271  
**Client Sample #:** 4014-CCR-33  
**Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Beige ceramic tile</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials</th>
<th>Asbestos Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials: Ceramic/Binder</td>
<td>Other Fibrous Materials: None Detected</td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
<td></td>
</tr>
<tr>
<td>Layer 2 of 3</td>
<td>Description: Trace off-white soft mastic</td>
<td>Non-Fibrous Materials: Mastic/Binder</td>
<td>Other Fibrous Materials: None Detected</td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Layer 3 of 3</td>
<td>Description: Gray sandy material</td>
<td>Non-Fibrous Materials: Ceramic/Binder, Granules</td>
<td>Other Fibrous Materials: Cellulose</td>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013

*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%=40-80%). 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 skills 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.*
**Chain of Custody Sample Log**

**Client:** EnvironServices 4 Training  
**Street:** 305 Ward Avenue-Suite 202  
**Honolulu, HI 96814**

**Project Manager:** Deare, Suoka  
**Project Location:** Makana Heights Park  
**(CCR)-Chapman Caretaker Residence**

**Phone:** 808-539-7232  **Fax:** 808-539-4455

**NVL Batch Number:** 1311272  
**Client Job Number:** #12-4014  
**Total Samples:** (6)

**Turn Around Time:** 
- 1-Hr
- 24-Hrs
- 4-Days
- 9-Days
- 3 to 10 Days

**Requestor's Name:** Please call for TAT max 24-Hrs

**Email address:** deare.e.gonnet@com

---

**METALPB**

- Total Metal
- TOLP

**Inj./Dot Limit**

- FAA (ppm)
- IOP (ppm)
- GFAA (ppm)

**Matrix**

- Air Filter
- Oily swabs
- Wet wipes
- Dust/Soil
- Paint Chips in %
- Soil
- Paint Chips in %

**RCRA Metals**

- Arsenic (As)
- Barium (Ba)
- Cadmium (Cd)
- Chromium (Cr)
- Lead (Pb)

**Other Metals**

- All Others
- Copper (Cu)
- Nickel (Ni)
- 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.)** | **AIR**
---|---|---|---|---
1 | | | Please see attached | 
2 | | | 
3 | | | 
4 | | | 
5 | | | 
6 | | | 
7 | | | 
8 | | | 
9 | | | 
10 | | | 
11 | | | 
12 | | | 
13 | | | 
14 | | | 
15 | | | 

---

**Print Below**

- Sampled by: Deare, Suoka
- Stole Below: Neera, Quad

**Sign Below**

- Company: ETC
- Date: 7/6/13
- Time: 

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

**Please stop E 1st positive. Thank you.**
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-COR-01</td>
<td>Entrance</td>
<td>12x12 Linoleum Brown Tiles</td>
</tr>
<tr>
<td>4014-COR-02</td>
<td>Bathroom #9</td>
<td>12x12 VFT White</td>
</tr>
<tr>
<td>4014-COR-03</td>
<td>Bathroom #2</td>
<td>6x8 Ceramic Tiles</td>
</tr>
<tr>
<td>4014-COR-04</td>
<td>Bedroom &amp; Bathroom #1, Bedroom #2 &amp; Bathroom #3</td>
<td>Drywall Sheetrock Walls</td>
</tr>
<tr>
<td>4014-COR-05</td>
<td>Bedroom &amp; Bathroom #1, Bedroom #2, Bedroom #3 &amp; Entrance</td>
<td>Drywall Sheetrock Ceiling</td>
</tr>
<tr>
<td>4014-COR-10</td>
<td>Throughout</td>
<td>Window Caulking</td>
</tr>
<tr>
<td>4014-COR-11</td>
<td>Throughout</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-COR-12</td>
<td>Kitchen</td>
<td>Black Sink Undercoat</td>
</tr>
<tr>
<td>4014-COR-13</td>
<td>Kitchen</td>
<td>White Sink Caulking</td>
</tr>
<tr>
<td>4014-COR-14</td>
<td>All Bathroom</td>
<td>Toilet &amp; Sink Caulking</td>
</tr>
<tr>
<td>4014-COR-15</td>
<td>Bathroom #1</td>
<td>1x1 Beige Ceramic Tile</td>
</tr>
<tr>
<td>4014-COR-16</td>
<td>Bedroom #1</td>
<td>Brown Linoleum w/12x12 Brown Speckled Marking</td>
</tr>
<tr>
<td>4014-COR-17</td>
<td>Bedroom #1</td>
<td>24x24 Ceramic Brown Tiles</td>
</tr>
<tr>
<td>4014-COR-18</td>
<td>Exterior Roof</td>
<td>Red Roofing Materials</td>
</tr>
<tr>
<td>4014-COR-19</td>
<td>Exterior Roof</td>
<td>White Plasto over Black Roofing Material</td>
</tr>
<tr>
<td>4014-COR-20</td>
<td>Exterior Roof</td>
<td>Brown &amp; Black Pipe Penetration Sealant</td>
</tr>
<tr>
<td>4014-COR-21</td>
<td>Exterior Walls</td>
<td>Cementious Wall Panel</td>
</tr>
<tr>
<td>Sample No.</td>
<td>Sample Location</td>
<td>Material Description</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>4014-CCR-01</td>
<td>Entrance</td>
<td>12x12 Linoleum Brown Tiles</td>
</tr>
<tr>
<td>4014-CCR-02</td>
<td>Bathroom #3</td>
<td>12x12 VFT White</td>
</tr>
<tr>
<td>4014-CCR-03</td>
<td>Bathroom #2</td>
<td>6x6 Ceramic Tiles</td>
</tr>
<tr>
<td>4014-CCR-04</td>
<td>Bedroom &amp; Bathroom #1, Bedroom #2 &amp; Bdrm &amp; Bathroom #3</td>
<td>Drywall Sheetrock Walls</td>
</tr>
<tr>
<td>4014-CCR-05</td>
<td>Bedroom &amp; Bathroom #1, Bedroom #2, Bdrm &amp; Bathroom #3 &amp; Entrance</td>
<td>Drywall Sheetrock Ceiling</td>
</tr>
<tr>
<td>4014-CCR-06</td>
<td>Throughout</td>
<td>Window Caulking</td>
</tr>
<tr>
<td>4014-CCR-07</td>
<td>Throughout</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-CCR-08</td>
<td>Kitchen</td>
<td>Black Sinks Undercoat</td>
</tr>
<tr>
<td>4014-CCR-09</td>
<td>Kitchen</td>
<td>White Sinks Caulking</td>
</tr>
<tr>
<td>4014-CCR-10</td>
<td>All Bathroom</td>
<td>Toilet &amp; Sinks Caulking</td>
</tr>
<tr>
<td>4014-CCR-11</td>
<td>Bathroom #1</td>
<td>1x1 Beige Ceramic Tile</td>
</tr>
<tr>
<td>4014-CCR-12</td>
<td>Bedroom #1</td>
<td>Brown Linoleum w/12x12 Brown Speckled Marking</td>
</tr>
<tr>
<td>4014-CCR-13</td>
<td>Bedroom #1</td>
<td>24x24 Ceramic Brown Tiles</td>
</tr>
<tr>
<td>4014-CCR-14</td>
<td>Exterior Roof</td>
<td>Red Roofing Materials</td>
</tr>
<tr>
<td>4014-CCR-15</td>
<td>Exterior Roof</td>
<td>White Plastic over Black Roofing Material</td>
</tr>
<tr>
<td>4014-CCR-16</td>
<td>Exterior Roof</td>
<td>Brown &amp; Black Pipe Penetration Sealant</td>
</tr>
</tbody>
</table>
July 11, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

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 81). 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,

[Signature]

Nicky, Technical Director
### NVL Laboratories, Inc.

**4708 Aurora Ave. N., Seattle, WA 98103**  
Tel: 206.547.0100, Fax: 206.634.1938  
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**  
By Polarized Light Microscopy

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park (CCR)-Chapman Caretaker Residence

**Batch #:** 1311273.00  
**Client Project #:** 13-4014  
**Date Received:** 7/8/2013  
**Samples Received:** 18  
**Samples Analyzed:** 16  
**Method:** EPA/890/R-83/116 & EPA/600/M4-82-020

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Description</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
</table>
| 13092272 | 4014-CCR-34      | Layer 1 of 2: Brown sheet vinyl  
Non-Fibrous Materials:  
Vinyl/Blender, Synthetic foam | Other Fibrous Materials:%  
Glass fibers 3% | None Detected ND |
|          |                  | Layer 2 of 2: Off-white soft mastic  
Non-Fibrous Materials:  
Mastic/Blender | Other Fibrous Materials:%  
Cellulose 3% | None Detected ND |
| 13092273 | 4014-CCR-35      | Layer 1 of 2: Brown sheet vinyl  
Non-Fibrous Materials:  
Vinyl/Blender, Synthetic foam | Other Fibrous Materials:%  
Glass fibers 5% | None Detected ND |
|          |                  | Layer 2 of 2: Tan soft material  
Non-Fibrous Materials:  
Synthetic/Blender | Other Fibrous Materials:%  
Hair 2% | None Detected ND |
| 13092274 | 4014-CCR-36      | Layer 1 of 2: Brown sheet vinyl  
Non-Fibrous Materials:  
Vinyl/Blender, Synthetic foam | Other Fibrous Materials:%  
Glass fibers 6% | None Detected ND |
|          |                  | Layer 2 of 2: Off-white soft mastic  
Non-Fibrous Materials:  
Mastic/Blender | Other Fibrous Materials:%  
Cellulose 2% | None Detected ND |
| 13092275 | 4014-CCR-37      | Layer 1 of 2: Brown sheet vinyl  
Non-Fibrous Materials:  
Vinyl/Blender, Synthetic foam | Other Fibrous Materials:%  
Glass fibers 6% | None Detected ND |
|          |                  | Layer 2 of 2: Off-white soft mastic  
Non-Fibrous Materials:  
Mastic/Blender | Other Fibrous Materials:%  
Cellulose 2% | None Detected ND |

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013  
**Technical Director:** Nick Ly

**Note:** If samples are not homogenous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 8000R-03/116 and 8000M-R-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=±0.3%, 5%=±1.0%, 10%=±1.5%, 20%=±10.0%, 60%=±10.0%). 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 quality 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaeakahana Beach Park(CCR)-Chapman Caretaker Residence

**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

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Brown ceramic tile</th>
<th>Non-Fibrous Materials: Ceramic/Blinder</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Gray sandy material</th>
<th>Non-Fibrous Materials: Binder/Filler, Granules</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Light gray sandy material</th>
<th>Non-Fibrous Materials: Binder/Filler, Quartz</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092276  
**Client Sample #:** 4014-CCR-38  
**Location:** Malaeakahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Brown ceramic tile</th>
<th>Non-Fibrous Materials: Ceramic/Blinder</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Gray sandy material</th>
<th>Non-Fibrous Materials: Binder/Filler, Granules</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Cellulose 2%</td>
<td>None Detected</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Light gray sandy material</th>
<th>Non-Fibrous Materials: Binder/Filler, Quartz</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092277  
**Client Sample #:** 4014-CCR-39  
**Location:** Malaeakahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Brown ceramic tile</th>
<th>Non-Fibrous Materials: Ceramic/Blinder</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None Detected</td>
<td>ND</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

Note: If samples are not homogeneous, then sub-samples 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%=1-5%, 10%=5-15%, 20%=10-30%, 60%=40-80%). This report relates only to the item tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and quality 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

## Lab ID: 13092278  
**Client Sample #:** 4014-CCR-40  
**Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer of 3</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>ND Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3 of 3</td>
<td>Black asphaltic material with mineral grains</td>
<td>Asphalt/Blender, Mineral grains</td>
<td>Non Detected</td>
<td>ND</td>
</tr>
<tr>
<td>2</td>
<td>3 of 3</td>
<td>Black asphaltic fibrous material with granules</td>
<td>Asphalt/Blender, Quartz</td>
<td>Non Detected</td>
<td>ND</td>
</tr>
<tr>
<td>3</td>
<td>3 of 3</td>
<td>Black asphaltic fibrous material</td>
<td>Asphalt/Blender</td>
<td>Non Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

## Lab ID: 13092279  
**Client Sample #:** 4014-CCR-41  
**Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer of 3</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>ND Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3 of 3</td>
<td>Black asphaltic material with mineral grains</td>
<td>Asphalt/Blender, Mineral grains</td>
<td>None Detected</td>
<td>ND</td>
</tr>
<tr>
<td>2</td>
<td>3 of 3</td>
<td>Black asphaltic fibrous material with granules</td>
<td>Asphalt/Blender</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013  
**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-92/116 and 603/M4-82-023 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.*
Client: EnviroServices & Training CTR, LLC
Address: 605 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 3 of 3
Description: Black asphalitic fibrous material
Non-Fibrous Materials: Asphalt/Binder
Other Fibrous Materials: Glass fibers 3%
Cellulose 54%
Asbestos Type: % 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 asphalitic material with mineral grains
Non-Fibrous Materials: Asphalt/Binder, Mineral grains
Other Fibrous Materials: None Detected ND
Asbestos Type: % None Detected ND
Layer 2 of 2
Description: Black asphalitic fibrous material with granules
Non-Fibrous Materials: Asphalt/Binder
Other Fibrous Materials: Synthetic fibers 59%
Glass fibers 8%
Asbestos Type: % None Detected ND

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: Synthetic/Binder
Other Fibrous Materials: Synthetic fibers 20%
Asbestos Type: % None Detected ND
Layer 2 of 5
Description: Black asphalitic thick material
Non-Fibrous Materials: Asphalt/Binder, Mineral grains
Other Fibrous Materials: Glass fibers 3%
Cellulose 2%
Asbestos Type: % None Detected ND
Layer 3 of 5
Description: Black asphalitic material with mineral grains
Non-Fibrous Materials: Asphalt/Binder, Mineral grains
Other Fibrous Materials: None Detected ND
Asbestos Type: % None Detected ND

Sampled by: Client
Analyzed by: Jason Stuhr
Reviewed by: Nick Ly
Date: 07/11/2013

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 000/R-05/116 and 000/M-52-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=8-15%, 20%=10-30%, 60%=40-50%). 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, 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**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**

---

### Layer 4 of 5
**Description:** Black asphaltic fibrous material with granules

- **Non-Fibrous Materials:**
  - Asphalt/Binder
- **Other Fibrous Materials:**
  - Glass fibers: 70%

**Asbestos Type:** %
**None Detected** ND

---

### Layer 5 of 5
**Description:** Tan soft material

- **Non-Fibrous Materials:**
  - Binder/Filler
- **Other Fibrous Materials:**
  - Synthetic fibers: 3%

**Asbestos Type:** %
**None Detected** ND

---

### Lab ID: 13092282
**Client Sample #: 4014-CCR-44**
**Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

### Layer 1 of 5
**Description:** White/grey soft material with fibrous elements

- **Non-Fibrous Materials:**
  - Synthetic/Binder
- **Other Fibrous Materials:**
  - Synthetic fibers: 35%

**Asbestos Type:** %
**None Detected** ND

---

### Layer 2 of 5
**Description:** Black asphaltic thick material

- **Non-Fibrous Materials:**
  - Asphalt/Binder, Mineral grains
- **Other Fibrous Materials:**
  - Glass fibers: 5%

**Asbestos Type:** %
**None Detected** ND

---

### Layer 3 of 5
**Description:** Black asphaltic material with mineral grains

- **Non-Fibrous Materials:**
  - Asphalt/Binder, Mineral grains
- **Other Fibrous Materials:**
  - Cellulose: 2%

**Asbestos Type:** %
**None Detected** ND

---

### Layer 4 of 5
**Description:** Black asphaltic fibrous material with granules

- **Non-Fibrous Materials:**
  - Asphalt/Binder
- **Other Fibrous Materials:**
  - Glass fibers: 73%

**Asbestos Type:** %
**None Detected** ND

---

### Layer 5 of 5
**Description:** Tan soft material

- **Non-Fibrous Materials:**
  - Binder/Filler
- **Other Fibrous Materials:**
  - Synthetic fibers: 2%

**Asbestos Type:** %
**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  
**Date:** 07/11/2013

**Reviewed by:** Nick Ly  
**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/M4-62-118 and EPA/600/M4-62-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 60%=40-80%). 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 quality 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 4</th>
<th>Description: White/gray soft material with fibrous elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Synthetic/Binder</td>
<td>Synthetic fibers 38%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 2 of 4</th>
<th>Description: Black asphalitic thick material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
</tbody>
</table>
| Asphalt/Blinder, Mineral grains | Glass fibers 6%  
Cellulose 3% |

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 3 of 4</th>
<th>Description: Black asphalitic material with mineral grains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Asphalt/Blinder, Mineral grains</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 4 of 4</th>
<th>Description: Black asphalactic fibrous material with granules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Asphalt/Blinder</td>
<td>Glass fibers 74%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

---

**Lab ID:** 13092284  
**Client Sample #:** 4014-CCR-46  
**Location:** Malaekahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Brown/tan soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Synthetic/Blinder</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Dark gray hard material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Binder/Filler</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Asbestos Type:** % None Detected ND

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Black asphalastic fibrous material with fibrous elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Asphalt/Blinder</td>
<td>Glass fibers 18%</td>
</tr>
</tbody>
</table>

**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  

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/M-09-056 and 600/M-94-020 Methods with the following measurement uncertainties for the reported % Asbestos: (1%)=0-3%, 5%-1-0%, 10%-5-10%, 20%-10-30%, 60%-60-90%). 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 805 Ward Avenue, Suite 202  
**Honolulu, HI 96814**  
**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

**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**

<table>
<thead>
<tr>
<th>Lab ID: 13092286</th>
<th>Client Sample #: 4014-CCR-48</th>
<th>Sample Status:</th>
<th>Not Analyzed</th>
</tr>
</thead>
</table>

| Lab ID: 13092287 | Client Sample #: 4014-CCR-49 | Description: | Gray compressed fibrous material with paint  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>&amp; Other Fibrous Materials:%</td>
<td></td>
</tr>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 82%</td>
<td>Asbestos Type:</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

| Lab ID: 13092288 | Client Sample #: 4014-CCR-50 | Description: | Gray compressed fibrous material with paint  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>&amp; Other Fibrous Materials:%</td>
<td></td>
</tr>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 63%</td>
<td>Asbestos Type:</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

| Lab ID: 13092289 | Client Sample #: 4014-CCR-51 | Description: | Gray compressed fibrous material with paint  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>&amp; Other Fibrous Materials:%</td>
<td></td>
</tr>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 80%</td>
<td>Asbestos Type:</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhl  
**Reviewed by:** Nick Ly  
**Date:** 07/11/2013  
**Date:** 07/11/2013

**Note:** If samples are not homogenous, 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%=6-15%, 20%=10-30%, 50%=40-60%). This report relates only to the tests 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
Fax: 206.834.1998  1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

Client: VIREO Services & Training
Street: 505 Ward Avenue - Suite 202
City/State: Honolulu, HI 96814

Project Manager: Deana Swedka
Project Location: Malakalaia Beach Park (CU) - Chapman Caretaker Residence

Phone: 808-839-7222  Fax: 808-839-4495

NVL Batch Number: #13-4014
Client Job Number: 5
Total Samples: 6

Turn Around Time:
- 1-Hr
- 24-Hrs
- 4 Days
- 4-5 Days
- 6-7 Days
- 3 to 10 Days

Please call for TAT less than 24 hr

Email address: deana@vireo.com

<table>
<thead>
<tr>
<th>METALS</th>
<th>Inst/Dil Limit Matrix</th>
<th>Other Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Metals</td>
<td>TCLP</td>
</tr>
<tr>
<td></td>
<td>FAA (ppm)</td>
<td>ICP (ppm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Seq. # Lab ID Client Sample Number Comments (e.g. sample area, sample volume, etc)

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

* Please see attached *

Sampled by:

Received by:

Analyzed by:

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.
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-CQR-01</td>
<td>Entrance</td>
<td>12x12 Linoleum Brown Tiles</td>
</tr>
<tr>
<td>4014-CQR-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-05</td>
<td>Bathroom #3</td>
<td>12x12 VFT White</td>
</tr>
<tr>
<td>4014-CQR-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-10</td>
<td>Bedroom &amp; Bathroom #1, Bedroom #2 &amp; Bdrm &amp; Bathroom #3</td>
<td>Drywall Sheetrock Walls</td>
</tr>
<tr>
<td>4014-CQR-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-12</td>
<td>Bedroom &amp; Bathroom #1, Bedroom #2 &amp; Bdrm &amp; Bathroom #3</td>
<td>Drywall Sheetrock Ceiling</td>
</tr>
<tr>
<td>4014-CQR-13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-14</td>
<td>Throughout</td>
<td>Window Caulking</td>
</tr>
<tr>
<td>4014-CQR-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-16</td>
<td>Throughout</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-CQR-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-18</td>
<td>Kitchen</td>
<td>Black Sink Undercoat</td>
</tr>
<tr>
<td>4014-CQR-19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-20</td>
<td>Kitchen</td>
<td>White Sink Caulking</td>
</tr>
<tr>
<td>4014-CQR-21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-22</td>
<td>All Bathroom</td>
<td>Toilet &amp; Sink Caulking</td>
</tr>
<tr>
<td>4014-CQR-23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-24</td>
<td>Bathroom #1</td>
<td>1x1 Beige Ceramic Tile</td>
</tr>
<tr>
<td>4014-CQR-25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-26</td>
<td>Bedroom #1</td>
<td>Brown Linoleum w/12x12 Brown Speckled Marking</td>
</tr>
<tr>
<td>4014-CQR-27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-34</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-41</td>
<td>Exterior Roof</td>
<td>Red Roofing Materials</td>
</tr>
<tr>
<td>4014-CQR-42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-43</td>
<td>Exterior Roof</td>
<td>White Plastic over Black Roofing Material</td>
</tr>
<tr>
<td>4014-CQR-44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-45</td>
<td>Exterior Roof</td>
<td>Brown &amp; Black Pipe Penetration Sealant</td>
</tr>
<tr>
<td>4014-CQR-46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-47</td>
<td>Exterior Walls</td>
<td>Compressible Wall Panel</td>
</tr>
<tr>
<td>4014-CQR-48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014-CQR-51</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

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 800/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,

[Signatures]

Nick Ly, Technical Director

Enc.: Sample Results

Lab Code: 102003-0

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 206.634.1936
### Lab ID: 13092189  Client Sample #: 4014-ASH-01

**Location:** Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Off-white/brown ceramic tile</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Ceramic/Binder</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Gray hard sandy material</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Binder/Filler, Granules, Fine grains</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

### Lab ID: 13092190  Client Sample #: 4014-ASH-02

**Location:** Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Off-white/brown ceramic tile</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Ceramic/Binder</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Gray hard sandy material</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Binder/Filler, Granules, Fine grains</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: White soft mastic</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Mastic/Binder</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

### Lab ID: 13092191  Client Sample #: 4014-ASH-03

**Location:** Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Off-white/brown ceramic tile</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Ceramic/Binder</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 000/R-03/116 and 600/M4-02-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=3-3%, 5%=1-5%, 10%=6-15%, 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 skill 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaeakahana Beach Park(Ash) Aaron Security House

**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

## Sample Details

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: Gray hard sandy material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Binder/Filler, Granules, Fine grains</td>
<td>Cellulose 2%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: Light gray hard sandy material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Binder/Filler, Mineral grains</td>
<td>Spider silk 2%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092192  
**Client Sample #:** 4014-ASH-04  
**Location:** Malaeakahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer 1 of 3</th>
<th>Description: Trace white compacted powdery material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Calcareous binder, Paint</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 3</th>
<th>Description: White chalky material with paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Gypsum/Binder</td>
<td>Cellulose 19%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 3 of 3</th>
<th>Description: White soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Caulking compound</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092193  
**Client Sample #:** 4014-ASH-05  
**Location:** Malaeakahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: White compacted powdery material with paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Calcareous binder, Paint</td>
<td>Cellulose 3%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: White chalky material with paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Gypsum/Binder</td>
<td>Cellulose 23%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

---

**Sample by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/12/2013  
**Date:** 07/12/2013

**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%=1.5%, 10%=3-16%, 20%=10-30%, 50%=40-69%). 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 quality 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.
### Lab ID: 13092194  Client Sample #: 4014-ASH-06
Location: Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>White compacted powdery material with paint</td>
<td>Ceramic/Binder</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
<td></td>
</tr>
<tr>
<td>2 of 2</td>
<td>White chalky material with paper</td>
<td>Gypsum/Blender</td>
<td>Cellulose 25%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

### Lab ID: 13092195  Client Sample #: 4014-ASH-07
Location: Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 3</td>
<td>Pink/blue ceramic tile</td>
<td>Ceramic/Blender</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
<td></td>
</tr>
<tr>
<td>2 of 3</td>
<td>Gray hard sandy material</td>
<td>Binder/Filler, Granules</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
<td></td>
</tr>
<tr>
<td>3 of 3</td>
<td>White sandy material</td>
<td>Binder/Filler, Granules</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

### Lab ID: 13092196  Client Sample #: 4014-ASH-08
Location: Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Pink/blue ceramic tile</td>
<td>Ceramic/Blender</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

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%=0-15%, 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 506 Ward Avenue, Suite 202  
**Honolulu, HI 96814**

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(Ash) Aaron Security House

**Batch #: 1311270.00**  
**Client Project #: 13-4014**  
**Date Received:** 7/9/2013  
**Samples Received:** 39  
**Samples Analyzed:** 37  
**Method:** EPA/600/R-83/116 & EPA/600/M4-62-020

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 of 2</td>
<td>Gray sandy material</td>
<td>Granules</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Lab ID: 13092197</td>
<td>Client Sample #: 4014-ASH-09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location: Malaekahana Beach Park(Ash) Aaron Security House</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 2</td>
<td>Pink/blue ceramic tile</td>
<td>Ceramic/Blender</td>
<td>None Detected ND</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Lab ID: 13092198</td>
<td>Client Sample #: 4014-ASH-10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location: Malaekahana Beach Park(Ash) Aaron Security House</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 1</td>
<td>Off-white soft material</td>
<td>None Detected</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Lab ID: 13092199</td>
<td>Client Sample #: 4014-ASH-11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location: Malaekahana Beach Park(Ash) Aaron Security House</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Non-Fibrous Materials</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of 1</td>
<td>White brittle material with paint</td>
<td>Calcareous binder, Paint</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Lab ID: 13092200</td>
<td>Client Sample #: 4014-ASH-12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location: Malaekahana Beach Park(Ash) Aaron Security House</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/12/2013  
**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-83/116 and 600/M4-62-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-6%, 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 quality 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.
<table>
<thead>
<tr>
<th>Lab ID: 13092201</th>
<th>Client Sample #: 4014-ASH-13</th>
<th>Location: Maalaea Beach Park(Ash) Aaron Security House</th>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caulking compound, Paint</td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092202</th>
<th>Client Sample #: 4014-ASH-14</th>
<th>Location: Maalaea Beach Park(Ash) Aaron Security House</th>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caulking compound, Paint</td>
<td>Cellulose 6%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092203</th>
<th>Client Sample #: 4014-ASH-15</th>
<th>Location: Maalaea Beach Park(Ash) Aaron Security House</th>
<th>Layer 1 of 1</th>
<th>Description: Off-white/gray soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caulking compound, Paint</td>
<td>Cellulose 8%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092204</th>
<th>Client Sample #: 4014-ASH-16</th>
<th>Location: Maalaea Beach Park(Ash) Aaron Security House</th>
<th>Layer 1 of 1</th>
<th>Description: White soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caulking compound</td>
<td>None Detected ND</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092205</th>
<th>Client Sample #: 4014-ASH-17</th>
<th>Location: Maalaea Beach Park(Ash) Aaron Security House</th>
<th>Layer 1 of 1</th>
<th>Description: White soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:%</td>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caulking compound</td>
<td>Synthetic fibers 3%</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/119 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-5%, 10%=5-15%, 22%=10-30%, 85%=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.
<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #: 4014-ASH-18</th>
<th>Location: Malaekahana Beach Park(Ash) Aaron Security House</th>
<th>Description: White soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #: 4014-ASH-19</th>
<th>Location: Malaekahana Beach Park(Ash) Aaron Security House</th>
<th>Description: Off-white/gray soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #: 4014-ASH-20</th>
<th>Location: Malaekahana Beach Park(Ash) Aaron Security House</th>
<th>Description: Off-white/gray soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #: 4014-ASH-21</th>
<th>Location: Malaekahana Beach Park(Ash) Aaron Security House</th>
<th>Description: Off-white/gray soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #: 4014-ASH-22</th>
<th>Location: Malaekahana Beach Park(Ash) Aaron Security House</th>
<th>Description: Black asphaltic flaky material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
<td>Asbestos Type: %</td>
</tr>
<tr>
<td></td>
<td>Asphalt/Blinder</td>
<td>Cellulose 3%</td>
<td>Chrysotile 3%</td>
</tr>
</tbody>
</table>

| Lab ID   | 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-93/118 and 600/M4-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=1-3%, 5%=5-16%, 20%=10-30%, 50%=40-80%). This report relates only to the items tested. If sample was not collected by NVL personnel, the accuracy of the results is limited by the methodology and quality 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 elicit product endorsement by NVLAP or any other agency of the US Government.
**NVL Laboratories, Inc**  
4708 Aurora Ave, N., Seattle, WA 98103  
Tel: 206.847.0100, Fax: 206.834.1938  
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**  
By Polarized Light Microscopy

**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

---

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #: 4014-ASH-24</th>
<th>Sample Status: Not Analyzed</th>
</tr>
</thead>
</table>

- **Lab ID: 13092212**  
  - **Location:** Malaekahana Beach Park(Ash) Aaron Security House  
  - **Layer 1 of 6**  
    - Description: Black asphallic material with multi-colored mineral grains  
    - Non-Fibrous Materials: Other Fibrous Materials:%  
    - Asphalt/Blender, Mineral grains: None Detected ND  
  - **Layer 2 of 6**  
    - Description: Black asphallic material with granules  
    - Non-Fibrous Materials: Other Fibrous Materials:%  
    - Asphalt/Blender: None Detected ND  
  - **Layer 3 of 6**  
    - Description: Black asphallic material with multi-colored mineral grains  
    - Non-Fibrous Materials: Other Fibrous Materials:%  
    - Asphalt/Blender, Mineral grains: None Detected ND  
  - **Layer 4 of 6**  
    - Description: Black asphallic material with granules  
    - Non-Fibrous Materials: Other Fibrous Materials:%  
    - Asphalt/Blender: None Detected ND  
  - **Layer 5 of 6**  
    - Description: Black asphallic material  
    - Non-Fibrous Materials: Other Fibrous Materials:%  
    - Asphalt/Blender: None Detected ND  
  - **Layer 6 of 6**  
    - Description: Black asphallic material  
    - Non-Fibrous Materials: Other Fibrous Materials:%  
    - Asphalt/Blender: None Detected ND

**Lab ID: 13092213**  
Client Sample #: 4014-ASH-25  
Location: Malaekahana Beach Park(Ash) Aaron Security House

---

**Lab ID: 13092214**  
Client Sample #: 4014-ASH-26  
Location: Malaekahana Beach Park(Ash) Aaron Security House

---

**Sampled by:**  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/12/2013

**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%=1.0%, 10%=6.15%, 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.

Page 7 of 11
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(Ash) Aaron Security House

## Layer 1 of 3
**Description:** Black asphallic material with multi-colored mineral grains

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder, Mineral grains</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Asbestos/Binder, Mineral grains</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Asbestos Type:** %

**Asbestos Type:** None Detected ND

## Layer 2 of 3
**Description:** Black asphallic fibrous material with granules

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder</td>
<td>Glass fibers 88%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** None Detected ND

## Layer 3 of 3
**Description:** Black asphallic fibrous material

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder</td>
<td>Cellulose 75%</td>
</tr>
<tr>
<td>&amp; Spider silk 2%</td>
<td></td>
</tr>
</tbody>
</table>

**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 asphallic material with multi-colored mineral grains

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder, Mineral grains</td>
<td>Glass fibers 2%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** None Detected ND

## Layer 2 of 3
**Description:** Black asphallic fibrous material with granules

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder, Granules</td>
<td>Glass fibers 65%</td>
</tr>
</tbody>
</table>

**Asbestos Type:** None Detected ND

## Layer 3 of 3
**Description:** Black asphallic fibrous material

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt/Binder</td>
<td>Cellulose 77%</td>
</tr>
<tr>
<td>&amp; Spider silk 2%</td>
<td></td>
</tr>
</tbody>
</table>

**Asbestos Type:** None Detected ND

---

**Lab ID:** 13092216  
**Client Sample #: 4014-ASH-28**  
**Location:** Malaekahana Beach Park(Ash) Aaron Security House

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 800M-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-16%, 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.
Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Bulk Asbestos Fibers Analysis
By Polarized Light Microscopy

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/9/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA600/R-93/116 & EPA600/M4-82-020

Layer 1 of 1
Description: Tan compressed fibrous material with light paint

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 90%</td>
</tr>
</tbody>
</table>

Asbestos Type: %
None Detected ND

Lab ID: 13092217  Client Sample #: 4014-ASH-29
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1
Description: Tan compressed fibrous material with light paint

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint, Fine particles, Insect parts</td>
<td>Cellulose 85%</td>
</tr>
<tr>
<td>Spider silk 2%</td>
<td></td>
</tr>
</tbody>
</table>

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
Description: Tan compressed fibrous material with light paint

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 91%</td>
</tr>
</tbody>
</table>

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
Description: Pink thin material on wood

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint</td>
<td>Cellulose 81%</td>
</tr>
</tbody>
</table>

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
Description: Brown compressed fibrous material

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine particles</td>
<td>Cellulose 88%</td>
</tr>
</tbody>
</table>

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 Stahl
Reviewed by: Nick Ly
Date: 07/12/2013

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%±1.0%, 10%±6.15%, 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.
# Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

**Batch #: 1311270.00**

**Client Project #: 13-4014**

**Data Received: 7/8/2013**

**Samples Received: 39**

**Samples Analyzed: 37**

**Method: EPA/600/R-93/116 & EPA/600/M4-82-020**

---

**Layer 1 of 1**

**Description:** Pink thin material on wood

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint/Binder</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caulking compound</td>
<td>Cellulose 6%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint/Filter</td>
<td>None Detected</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Layer 2 of 2**

**Description:** Brown fibrous material

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:%</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine particles</td>
<td>Cellulose 98%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client

**Analyzed by:** Jason Stuhr

**Reviewed by:** Nick Ly

**Date:** 07/12/2013

**Note:** If samples are not homogenous, than 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%=1-6%, 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 quality 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.
**Bulk Asbestos Fibers Analysis**

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(Ash) Aaron Security House

---

<table>
<thead>
<tr>
<th>Lab ID: 13092226</th>
<th>Client Sample #: 4014-ASH-38</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location:</strong> Malaekahana Beach Park(Ash) Aaron Security House</td>
<td></td>
</tr>
<tr>
<td><strong>Layer 1 of 1</strong></td>
<td><strong>Description:</strong> Brown compressed fibrous material with paint</td>
</tr>
<tr>
<td><strong>Non-Fibrous Materials:</strong></td>
<td><strong>Other Fibrous Materials: %</strong></td>
</tr>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 88%</td>
</tr>
<tr>
<td><strong>Asbestos Type:</strong></td>
<td><strong>%</strong></td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092227</th>
<th>Client Sample #: 4014-ASH-39</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location:</strong> Malaekahana Beach Park(Ash) Aaron Security House</td>
<td></td>
</tr>
<tr>
<td><strong>Layer 1 of 1</strong></td>
<td><strong>Description:</strong> Brown compressed fibrous material with paint</td>
</tr>
<tr>
<td><strong>Non-Fibrous Materials:</strong></td>
<td><strong>Other Fibrous Materials: %</strong></td>
</tr>
<tr>
<td>Paint, Fine particles</td>
<td>Cellulose 86%</td>
</tr>
<tr>
<td><strong>Asbestos Type:</strong></td>
<td><strong>%</strong></td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>
NVL Laboratories, Inc.

Chain of Custody
Sample Log

NVL Batch ID: 1311270

Client: Enviroservices of Training

Client Job Number: 413-4214

Total Samples: 2

Turn Around Time: 1-4 yrs

Project Manager: Deana Swoza

Phone: 808-891-7222, Fax: 808-891-4495

NVL Batch Number: 413-4214

Project Location: Malae'akahana Beach Park

Client ID: #13-4214

(As) Ann Security House

Other Notes:

Condition of Package: Good

Lab ID: 1

Client Sample Number: NA

Comments (e.g. Sample area, Sample Volume, etc.): Please see attached.

Seq. #: 1

AR

Sampled by: Deana Swoza

N/A

Analysis by: N/A

Results Collected by: N/A

Results Approved by: N/A

Print Below: Deana Swoza

Sign Below: N/A

Company: N/A

Date: 7/31/13

Time: N/A

N/A

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

Please stop E 1st positive. Thank you.
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Location</th>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-ASH-01</td>
<td>Kitchen</td>
<td>Multi-Color Ceramic Tile w/Grout</td>
</tr>
<tr>
<td>4014-ASH-02</td>
<td>Living Room</td>
<td>Drywall Walls</td>
</tr>
<tr>
<td>4014-ASH-03</td>
<td>Bathroom Shower Stall</td>
<td>Pink &amp; Blue Pattern Ceramic Tile w/Grout</td>
</tr>
<tr>
<td>4014-ASH-04</td>
<td>Throughout</td>
<td>Window Caulking</td>
</tr>
<tr>
<td>4014-ASH-05</td>
<td>Throughout</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-ASH-06</td>
<td>Bathroom</td>
<td>Sink &amp; Toilet Caulking</td>
</tr>
<tr>
<td>4014-ASH-07</td>
<td>Kitchen</td>
<td>Kitchen Counter Caulking</td>
</tr>
<tr>
<td>4014-ASH-08</td>
<td>Kitchen</td>
<td>Black Sink Undercoat</td>
</tr>
<tr>
<td>4014-ASH-09</td>
<td>Exterior Roof</td>
<td>Grey Asphalt Roofing Material</td>
</tr>
<tr>
<td>4014-ASH-10</td>
<td>Exterior Walls</td>
<td>Cementitious Wall Panels</td>
</tr>
<tr>
<td>4014-ASH-11</td>
<td>Int &amp; Ext-Storage 2</td>
<td>Window Caulking</td>
</tr>
<tr>
<td>4014-ASH-12</td>
<td>Int &amp; Ext-Storage 2</td>
<td>Door Caulking</td>
</tr>
<tr>
<td>4014-ASH-13</td>
<td>Int &amp; Ext-Storage 2</td>
<td>Brown Fiber Walls</td>
</tr>
</tbody>
</table>
July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
506 Ward Avenue, Suite 202
Honolulu, HI 96814

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,

Nick Ly, Technical Director
**NVL Laboratories, Inc**

4708 Aurora Ave N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

**Client: EnvironServices & Training CTR, LLC**

Address: 605 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka

Project Location: Maleekahana Beach Park(GWR) Game Warden Residence

**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

<table>
<thead>
<tr>
<th>Lab ID: 13092304</th>
<th>Client Sample #: 4014-GWR-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Maleekahana Beach Park (GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Comments: No mastic present</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 1 Description: Off-white vinyl tile</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials: Vinyl/Binder, Granules</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092305</th>
<th>Client Sample #: 4014-GWR-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Maleekahana Beach Park (GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 2 Description: Off-white vinyl tile</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials: Vinyl/Binder, Granules</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td>Layer 2 of 2 Description: Tan soft mastic</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials: Mastic/Binder</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092306</th>
<th>Client Sample #: 4014-GWR-03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Maleekahana Beach Park (GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 2 Description: Off-white vinyl tile</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials: Vinyl/Binder, Granules</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
<tr>
<td>Layer 2 of 2 Description: Tan soft mastic</td>
<td></td>
</tr>
<tr>
<td>Non-Fibrous Materials: Mastic/Binder</td>
<td></td>
</tr>
<tr>
<td>Other Fibrous Materials: %</td>
<td></td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092307</th>
<th>Client Sample #: 4014-GWR-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Maleekahana Beach Park (GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Comments: No joint compound present</td>
<td></td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Jason Stahrs  
**Reviewed by:** Nick Ly  
**Data:** 07/12/2013  
**Date:** 07/12/2013

Note: If samples are not homogenous, 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%=1-3%, 10%=5-15%, 20%=10-30%, 60%=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 quality 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

<table>
<thead>
<tr>
<th>Batch #:</th>
<th>1311278.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Project #:</td>
<td>13-4014</td>
</tr>
<tr>
<td>Date Received:</td>
<td>7/8/2013</td>
</tr>
<tr>
<td>Samples Received:</td>
<td>33</td>
</tr>
<tr>
<td>Samples Analyzed:</td>
<td>29</td>
</tr>
<tr>
<td>Method:</td>
<td>EPA/600/R-93/116 &amp; EPA/600/M4-82-020</td>
</tr>
</tbody>
</table>

#### Layer 1 of 1

**Description:** White chalky material with paper

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gypsum/Binder</td>
<td>Cellulose 21%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092308  **Client Sample #:** 4014-GWR-05  **Location:** Malaeakahana Beach Park (GWR) Game Warden Residence

#### Layer 2 of 2

**Description:** White chalky material with paint

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcareous binder, Paint</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092309  **Client Sample #:** 4014-GWR-06  **Location:** Malaeakahana Beach Park (GWR) Game Warden Residence

#### Layer 1 of 2

**Description:** White chalky material with paper

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gypsum/Binder</td>
<td>Cellulose 20%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID:** 13092310  **Client Sample #:** 4014-GWR-07  **Location:** Malaeakahana Beach Park (GWR) Game Warden Residence

#### Layer 1 of 1

**Description:** Light gray flaky material

<table>
<thead>
<tr>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials:</th>
<th>Asbestos Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binder/Filler</td>
<td>None Detected ND</td>
<td>Chrysotile 6%</td>
</tr>
</tbody>
</table>

**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

---

Note: If samples are not homogenous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (5% = 0.5%, 10% = 1.0%, 15% = 1.5%, 20% = 2.0%, 30% = 3.0%, 60% = 6.0%). This report refers 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.
### Bulk Asbestos Fibers Analysis

**By Polarized Light Microscopy**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park (GWR) Game Warden Residence

**Batch #:** 1311278.00  
**Client Project #:** 13-4014

**Date Received:** 7/8/2013  
**Samples Received:** 33  
**Samples Analyzed:** 29  
**Method:** EPA/800/R-93/116 & EPA/600/M4-82-020

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092312</td>
<td>4014-GWR-09</td>
<td>Not Analyzed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092313</td>
<td>4014-GWR-10</td>
<td>Not Analyzed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092314</td>
<td>4014-GWR-11</td>
<td>Not Analyzed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #:</th>
<th>Sample Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092315</td>
<td>4014-GWR-12</td>
<td>Not Analyzed</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhrl  
**Reviewed by:** Nick Ly  
**Date:** 07/12/2013

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 9000-R3/116 and 8000/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos: (1%=<0.3%, 5%=<8%, 10%=<15%, 20%=<30%, 50%=<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

**NVLAP**

4706 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**

*By Polarized Light Microscopy*

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

**Attention:** Ms. Deana Sukeoka  
**Project Location:** Malaekahana Beach Park (GWR) Game Warden Residence

**Batch #:** 1311278.00  
**Client Project #:** 13-4014  
**Date Received:** 7/8/2013  
**Samples Received:** 33  
**Samples Analyzed:** 29  
**Method:** EPA/600/R-93/118 & EPA/600/M4-82-020

<table>
<thead>
<tr>
<th>Lab ID: 13092316</th>
<th>Client Sample #: 4014-GWR-13</th>
<th>Location: Malaekahana Beach Park(GWR) Game Warden Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: White/tan soft material</td>
<td>Non-Fibrous Materials: Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asbestos Type: None Detected ND</td>
</tr>
<tr>
<td>Binder/Filler, Paint</td>
<td>Cellulose 2%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092317</th>
<th>Client Sample #: 4014-GWR-14</th>
<th>Location: Malaekahana Beach Park(GWR) Game Warden Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: White/tan soft material</td>
<td>Non-Fibrous Materials: Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asbestos Type: None Detected ND</td>
</tr>
<tr>
<td>Binder/Filler, Paint</td>
<td>Cellulose 3%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092318</th>
<th>Client Sample #: 4014-GWR-15</th>
<th>Location: Malaekahana Beach Park(GWR) Game Warden Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 1</td>
<td>Description: White/tan soft material</td>
<td>Non-Fibrous Materials: Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asbestos Type: None Detected ND</td>
</tr>
<tr>
<td>Binder/Filler, Paint</td>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092319</th>
<th>Client Sample #: 4014-GWR-16</th>
<th>Location: Malaekahana Beach Park(GWR) Game Warden Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1 of 2</td>
<td>Description: White ceramic tile</td>
<td>Non-Fibrous Materials: Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asbestos Type: None Detected ND</td>
</tr>
<tr>
<td>Ceramio/Blender</td>
<td>None Detected ND</td>
<td></td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Off-white sandy material</td>
<td>Non-Fibrous Materials: Other Fibrous Materials:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asbestos Type: None Detected ND</td>
</tr>
<tr>
<td>Binder/Filler, Granules, Insect parts</td>
<td>Spider silk 3%</td>
<td></td>
</tr>
</tbody>
</table>

**Lab ID: 13092320**  
**Client Sample #: 4014-GWR-17**  
**Location:** Malaekahana Beach Park(GWR) Game Warden Residence

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhrt  
**Reviewed by:** Nick Ly

**Date:** 07/12/2013  
**Date:** 07/12/2013

*Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 605/R-93/118 and 600/M4-82-020 Methods with the following measurement uncertainty for the reported % Asbestos (1%=0.3%, 5%=1.6%, 10%=5.15%, 20%=10.35%, 50%=40-60%). This report relates only to the item 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.*
<table>
<thead>
<tr>
<th>Lab ID: 13092321</th>
<th>Client Sample #: 4014-GWR-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park(GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 2</td>
<td>Description: White ceramic tile</td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Ceramic/Binder</td>
</tr>
<tr>
<td>Other Fibrous Materials:</td>
<td>None Detected ND</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Beige sandy material</td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Binder/Filter, Granules, Insect parts:</td>
<td>Spreader stick 2%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092322</th>
<th>Client Sample #: 4014-GWR-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park(GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 2</td>
<td>Description: Beige vinyl tile</td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Vinyl/Binder, Granules:</td>
<td>Cellulose 3%</td>
</tr>
<tr>
<td>Layer 2 of 2</td>
<td>Description: Tan soft mastic</td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Mastic/Binder:</td>
<td>Cellulose 2%</td>
</tr>
<tr>
<td>Asbestos Type:</td>
<td>%</td>
</tr>
<tr>
<td>None Detected ND</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: 13092323</th>
<th>Client Sample #: 4014-GWR-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park(GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Sampling by: Client</td>
<td></td>
</tr>
<tr>
<td>Analyzed by: Jason Stuhr</td>
<td></td>
</tr>
<tr>
<td>Reviewed by: Nick Ly</td>
<td></td>
</tr>
<tr>
<td>Date: 07/12/2013</td>
<td></td>
</tr>
<tr>
<td>Nick Ly, Technical Director</td>
<td></td>
</tr>
</tbody>
</table>

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-83/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos: (1%<0.5%, 5%<1-4%, 10%<5-16%, 20%<10-30%, 60%<40-50%). 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 quality 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: 206.634.1936
www.nvlabs.com

### Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

<table>
<thead>
<tr>
<th>Batch #: 1311278.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Project #: 13-4014</td>
</tr>
<tr>
<td>Date Received: 7/8/2013</td>
</tr>
<tr>
<td>Samples Received: 33</td>
</tr>
<tr>
<td>Samples Analyzed: 29</td>
</tr>
<tr>
<td>Method: EPA/600/R-93/116 &amp; EPA/600/M4-82-020</td>
</tr>
</tbody>
</table>

**Attention: Ms. Deana Sueoka**

Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Beige vinyl tile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Vinyl/Binder, Granules</td>
<td>Cellulose 4%</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Tan soft mastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Mastic/Binder</td>
<td>Cellulose 2%</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13082324**

Client Sample #: 4014-GWR-21
Location: Malaekahana Beach Park(GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 2</th>
<th>Description: Beige vinyl tile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Vinyl/Binder, Granules</td>
<td>Cellulose 6%</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Layer 2 of 2</th>
<th>Description: Tan soft mastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Mastic/Binder</td>
<td>Cellulose 2%</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13082325**

Client Sample #: 4014-GWR-22
Location: Malaekahana Beach Park(GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13082326**

Client Sample #: 4014-GWR-23
Location: Malaekahana Beach Park(GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials:</td>
</tr>
<tr>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13082327**

Client Sample #: 4014-GWR-24
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client

Analysed by: Jason Stuhr

Reviewed by: Nick Ly

Date: 07/12/2013

Note: If samples are not homogeneous, then subsamples of the component were analyzed separately. All bulk samples are analyzed using both EPA 600/R-63/116 and 600/M4-82-020 Methods with the following measurement uncertainty for the reported % Asbestos (1%=±0.3%, 6%=±1.5%, 10%=±4.1%, 20%=±10.3%, 50%=±40.8%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the result is limited by the methodology and faculty 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: 206.834.1938  
www.nvlabs.com

**Bulk Asbestos Fibers Analysis**  
By Polarized Fibers Methodology

**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

---

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 605 Ward Avenue, Suite 202  
Honolulu, HI 96814  
**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:**  
**Asbestos Type:** None Detected ND  
**Cellulose:** 2%

**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:**  
**Asbestos Type:** None Detected ND  
**None Detected:** ND

**Layer 2 of 2**  
**Description:** Tan brittle material  
**Non-Fibrous Materials:** Binder/Filter, Fine particles  
**Other Fibrous Materials:**  
**Asbestos Type:** Chrysotile 3%  
**None Detected:** ND

**Lab ID:** 13092329  
**Client Sample #:** 4014-GWR-26  
**Sample Status:** Not Analyzed

---

**Lab ID:** 13092330  
**Client Sample #:** 4014-GWR-27  
**Sample Status:** Not Analyzed

---

**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/Blinder  
**Other Fibrous Materials:**  
**Asbestos Type:** None Detected ND  
**None Detected:** ND

**Layer 2 of 3**  
**Description:** Black asphaltic material with fibrous elements  
**Non-Fibrous Materials:**  
**Other Fibrous Materials:** Cellulose 41%  
**Asbestos Type:** None Detected ND  
**Cellulose:** 41%

**Layer 3 of 3**  
**Description:** Black asphaltic material with fibrous elements  
**Non-Fibrous Materials:** Asphalt/Blinder  
**Other Fibrous Materials:**  
**Asbestos Type:** None Detected ND  
**Asbestos Type:** None Detected ND

---

**Sampled by:** Client  
**Analyzed by:** Jason Stuhr  
**Reviewed by:** Nick Ly  
**Date:** 07/12/2013  

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600R-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.
## Glass fibers 3%

<table>
<thead>
<tr>
<th>Lab ID: 13092332</th>
<th>Client Sample #: 4014-GWR-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park(GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 3</td>
<td>Description: Black asphalthic material</td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>Asphalt/Binder</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

| Layer 2 of 3      | Description: Black asphalthic material with fibrous elements |
| Non-Fibrous Materials: | Other Fibrous Materials: % |
| Asphalt/Binder | Cellulose 45% |
| Asbestos Type: % | None Detected | ND |

| Layer 3 of 3      | Description: Black asphalthic material |
| Non-Fibrous Materials: | Other Fibrous Materials: % |
| Asphalt/Binder | None Detected | ND |
| Asbestos Type: % | None Detected | ND |

<table>
<thead>
<tr>
<th>Lab ID: 13092333</th>
<th>Client Sample #: 4014-GWR-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park(GWR) Game Warden Residence</td>
<td></td>
</tr>
<tr>
<td>Layer 1 of 3</td>
<td>Description: Black asphalthic material</td>
</tr>
<tr>
<td>Non-Fibrous Materials:</td>
<td>Other Fibrous Materials: %</td>
</tr>
<tr>
<td>Asphalt/Binder</td>
<td>None Detected</td>
</tr>
<tr>
<td>Asbestos Type: %</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

| Layer 2 of 3      | Description: Black asphalthic material with fibrous elements |
| Non-Fibrous Materials: | Other Fibrous Materials: % |
| Asphalt/Binder | Cellulose 42% |
| Asbestos Type: % | None Detected | ND |

| Layer 3 of 3      | Description: Black asphalthic material |
| Non-Fibrous Materials: | Other Fibrous Materials: % |
| Asphalt/Binder | None Detected | ND |
| Asbestos Type: % | None Detected | ND |

<table>
<thead>
<tr>
<th>Lab ID: 13092334</th>
<th>Client Sample #: 4014-GWR-31</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Malaekahana Beach Park(GWR) Game Warden Residence</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-89/116 and 000M-82-020 Methods with the following measurement uncertainties for the reported % Asbestos: 1%±0.2%, 5%±1.0%, 10%±1.5%, 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.
Client: EnviroServices & Training CTR, LLC  
Address: 506 Ward Avenue, Suite 202  
Honolulu, HI 96814

Attention: Ms. Daana Sueoka  
Project Location: Malaekahana Beach Park (GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 3%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13092335**  
**Client Sample #: 4014-GWR-32**  
Location: Malaekahana Beach Park (GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

**Lab ID: 13092336**  
**Client Sample #: 4014-GWR-33**  
Location: Malaekahana Beach Park (GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Layer 1 of 1</th>
<th>Description: Off-white soft material</th>
<th>Non-Fibrous Materials:</th>
<th>Other Fibrous Materials: %</th>
<th>Asbestos Type: %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Caulking compound</td>
<td>Cellulose 2%</td>
<td>None Detected ND</td>
</tr>
</tbody>
</table>

Sampled by: Client  
Analyzed by: Jason Stahr  
Reviewed by: Nick Ly  
Date: 07/12/2013  
Date: 07/12/2013

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%=0-2%, 8%=1-8%, 10%=6-15%, 20%=10-80%, 60%=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.
NVL Laboratories, Inc.  
4706 Aurora Ave N, Seattle, WA 98103  
Tel: 206.647.0100  Emerg.Pegn: 206.344.1878  
Fax: 206.634.1698  1.888.NVL.LABS (685.5227)

NVL Labs SEATTLE

CHAIN of CUSTODY

SAMPLE LOG

NVL Batch Number: 1311278

Client: EnviroServices & Training  
Address: 825 Ward Avenue-Suite 702  
Honolulu, HI 96814

Project Manager: Deana Sueoka  
Project Location: Malakekahana Beach Park  
(GWR) Kaneohe Warden Residence

Phone: 808-339-7222  Fax: 808-879-4455  
Email: deana@gotest.com

☑ Asbestos Air  ☑ POM (NIOSH 7400)  ☑ TEM (NIOSH 7402)  ☑ TEM (NIHRA)  ☑ TEM (EPA Level I)  ☑ Other
☑ Asbestos Bulk  ☑ XPLM (EPA800)/R-93/116  ☑ PLM (EPA Point Count)  ☑ PLM (EPA Gravimetry)  ☑ TEM Bulk
☑ Mold/Psomas  ☑ Mold Air  ☑ Mold Bulk  ☑ Rotometer Calibration

☑ Total Metals  ☑ TCLP
☑ FAA ppm  ☑ ICP ppm  ☑ GFAA ppm
☑ Air Filter  ☑ Drinking Water  ☑ Rooftop (Area)
☑ Soil  ☑ Paint Chips

☑ Other Metals  ☑ Air
☑ Arsenic (As)  ☑ Mercury (Hg)
☑ Barium (Ba)  ☑ Bismuth (Bi)
☑ Cadmium (Cd)  ☑ Zinc (Zn)
☑ Chromium (Cr)  ☑ Nickel (Ni)
☑ Copper (Cu)  ☑ Lead (Pb)

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

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

* Please see attached *

Print Below
Signed Below
Company:
Date:
Time:
Sampled by: Deana Sueoka  
Resigned by: Nevada Dunn  
Resolved by:  
Analyzed by:  
Results Called by:  
Results Packed by:  

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

Please stop e 1st positive. Thank you.
<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Homogeneous Areas</th>
<th>Material Description (Color, Texture, Size, Shape, etc.)</th>
<th>Condition</th>
<th>Category</th>
<th>Friability</th>
<th>Est. Quantity (ft², LF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-GRN-01</td>
<td>Interior</td>
<td><strong>Kitchen</strong></td>
<td><strong>12 x 12 VFT White Speckled</strong></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td>275 sq ft</td>
</tr>
<tr>
<td>02</td>
<td></td>
<td><strong>RR #1</strong></td>
<td><strong>Drywall Ceiling</strong></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td></td>
<td><strong>Throughout</strong></td>
<td></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td>1200 sq ft</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>05</td>
<td></td>
<td><strong>Kitchen</strong></td>
<td><strong>White Sink Undercoat</strong></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>06</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td>8-16 sq ft</td>
</tr>
<tr>
<td>07</td>
<td></td>
<td><strong>Throughout</strong></td>
<td><strong>White Window Caulking</strong></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td>20 sq ft</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>09</td>
<td></td>
<td></td>
<td></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td><strong>Door Caulking</strong></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td>18 sq ft</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td><strong>RR #2</strong></td>
<td><strong>4 x 4 White Ceramic Tiles</strong></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td>55 sq ft</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
<td><strong>RR #2</strong></td>
<td><strong>12 x 12 VFT Beige</strong></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td>55 sq ft</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td><strong>Laundry Room</strong></td>
<td></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>Misc.</td>
<td>Friable</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td>Good</td>
<td>TSI</td>
<td>Friable</td>
<td>55 sq ft</td>
</tr>
<tr>
<td>Sample Number</td>
<td>Sample Location</td>
<td>Homogeneous Areas</td>
<td>Material Description (Color, Texture, Size, Shape, etc.)</td>
<td>Condition</td>
<td>Category</td>
<td>Friability</td>
<td>Est. Quantity (L. IU)</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------</td>
<td>-------------------</td>
<td>----------------------------------------------------------</td>
<td>-----------</td>
<td>----------</td>
<td>-----------</td>
<td>---------------------</td>
</tr>
<tr>
<td>404-GWR-22</td>
<td>Interior</td>
<td>Restroom #1 + 2</td>
<td>Sink + Toilet Caulking</td>
<td>Good</td>
<td>Surfacin</td>
<td>Frangible</td>
<td>20.4</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>Sliding Door</td>
<td>Sliding Door Caulking</td>
<td>Good</td>
<td>Surfacin</td>
<td>Frangible</td>
<td>62.69</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>Ext.ior</td>
<td>Roof</td>
<td>Good</td>
<td>Surfacin</td>
<td>Frangible</td>
<td>130.0</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td></td>
<td>Black Asphalt Roofing Material</td>
<td>Poor</td>
<td>TSI</td>
<td>NFI</td>
<td>120</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>TSI</td>
<td>NFI</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>TSI</td>
<td>NFI</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Interior</td>
<td>Kitchen</td>
<td>Kitchen Caulking</td>
<td>Poor</td>
<td>TSI</td>
<td>NFI</td>
<td>28.61</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>TSI</td>
<td>NFI</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td>Poor</td>
<td>TSI</td>
<td>NFI</td>
<td></td>
</tr>
</tbody>
</table>
May 10, 2013

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

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/K². 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/m². 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,

[Signature]

Nick Ly, Technical Director

Enclosure:
Analysis Report

Total Lead (Pb)

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

Attention: Ms. Vel Roberts
Project Location: Maiaekahana Beach Park-Cabin 2

Batch #: 1307404.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 5
Samples Analyzed: 5

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL. In mg/Kg</th>
<th>Results In mg/Kg</th>
<th>Results In percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069779</td>
<td>4014-QAB2-PB-01</td>
<td>0.2103</td>
<td>44.0</td>
<td>620.0</td>
<td>0.0620</td>
</tr>
<tr>
<td>13069780</td>
<td>4014-QAB2-PB-02</td>
<td>0.1989</td>
<td>47.0</td>
<td>&lt;47.0</td>
<td>&lt;0.0047</td>
</tr>
<tr>
<td>13069781</td>
<td>4014-QAB2-PB-03</td>
<td>0.2080</td>
<td>46.0</td>
<td>1600.0</td>
<td>0.1600</td>
</tr>
<tr>
<td>13069782</td>
<td>4014-QAB2-PB-04</td>
<td>0.1966</td>
<td>48.0</td>
<td>3000.0</td>
<td>0.3000</td>
</tr>
<tr>
<td>13069783</td>
<td>4014-QAB2-PB-05</td>
<td>0.2052</td>
<td>46.0</td>
<td>250.0</td>
<td>0.0250</td>
</tr>
</tbody>
</table>

Sampled by: Client
Analyzed by: Aaron Brown
Reviewed by: Nick L.y
Date Analyzed: 05/10/2013
Date Issued: 05/10/2013

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
**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:** Hanauma Bay Beach Park  
**Client Job Number:** 13-4014  
**NVL Batch Number:** SB-13-4014  
**Total Samples:** 5

**Turn Around Time:**  
- 1-Hr  
- 8-Hrs  
- 2 Days  
- 5-10 Days  
- 4-Hrs  
- 24-Hrs  
- 4 Days

**Please call for TAT less than 24 Hrs**

**Phone:** (808) 839-7222  
**Fax:** (808) 839-4455  
**Cell:** (808) 384-0990  
**Email:** vcel@apoloelc.com

**Metals**  
- Total Metals  
- TCLP  
- Cr 6  
- Other Types of Analysis

<table>
<thead>
<tr>
<th>Seq.#</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g., Sample are, Sample Volume, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>1064-CAR2-PB-01</td>
<td>Interior, Cabin 2, Beige Paint</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>-02 Interior, Cabin 2, Grey Paint</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>-03 Interior, Cabin 2, Red Paint</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>-04 Interior, Cabin 2, Aqua Paint</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td>-05 Interior, Cabin 3, Beige Paint</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Print Below**  
**Sign Below**  
**Company:** ETC  
**Date:** 12/23/13  
**Time:**

**Sampled by:** Vel Roberts  
**Relinquished by:** Vel Roberts  
**Received by:** Ana Brown  
**Analyzed by:** Ana Brown  
**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 88814

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-NVL.LABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:
## NVL Laboratories, inc.

4708 Aurora Ave., N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.834.1938
www.nvlabs.com

### Analysis Report

**Total Lead (Pb)**

Client: EnviroServices & Training CTR, LLC  
Address: 605 Ward Avenue, Suite 202  
Honolulu, HI 96814

Attention: Ms. Vel Roberts  
Project Location: Malaekahana Beach Park-Cabin 3

**Batch #: 1307406.00**  
Matrix: Paint Chips  
Method: EPA 7000B  
Client Project #: 13-4014  
Date Received: 05/06/2013  
Samples Received: 3  
Samples Analyzed: 3

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069808</td>
<td>4014-CAB3-PB-01</td>
<td>0.1960</td>
<td>48.0</td>
<td>&lt;48.0</td>
<td>&lt;0.0048</td>
</tr>
<tr>
<td>13069809</td>
<td>4014-CAB3-PB-02</td>
<td>0.2040</td>
<td>46.0</td>
<td>&lt;46.0</td>
<td>&lt;0.0046</td>
</tr>
<tr>
<td>13069810</td>
<td>4014-CAB3-PB-03</td>
<td>0.1957</td>
<td>48.0</td>
<td>570.0</td>
<td>0.0570</td>
</tr>
</tbody>
</table>

Sampled by: Client  
Analyzed by: Aaron Brown  
Reviewed by: Nick Ly  
Date Analyzed: 05/10/2013  
Date Issued: 05/10/2013

mg/Kg = Milligrams per kilogram  
Percent = Milligrams per kilogram / 10000

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: 33-0509-06  
Page 1 of 1
**CHAIN of CUSTODY SAMPLE LOG**

NVL Batch ID: 1307406

- **Client**: Enviroservices & Training CTR, LLC
- **Street**: 505 Ward Avenue, Suite 202
- **Project Manager**: Ms. Val Roberts
- **Project Location**: Malaekahana Beach Park, Cabin B
- **NVL Batch Number**: 13-4011
- **Client Job Number**: 13-4011
- **Total Samples**: 3
- **Turn Around Time**: 2 Days
- **Other**: TAT less than 24 Hrs

- **Asbestos Air**: □
- **PCM (NIOSH 7400)**: □
- **TEM (NIOSH 7402)**: □
- **TEM (AHERA)**: □
- **TEM (EPA Level I)**: □
- **TEM (EPA Level II)**: □
- **Other**: □
- **Asbestos Bulk**: □
- **PLM (EPA 8040-A)**: □
- **PLM (EPA Point Count)**: □
- **PLM (EPA Gravimetry)**: □
- **TEM BULK**: □
- **Mold/Fungi**: □
- **Mold Air**: □
- **Mold Bulk**: □
- **Rotometer Calibration**: □

**METALS**

- **Total Metals**: □
- **TCLP**: □
- **Cr 6**: □

- **Det Limit**: [ ]
- **PCA (ppm)**: [ ]
- **ICP (ppm)**: [ ]
- **GFAA (ppm)**: [ ]
- **Ion Exchange (ppm)**: [ ]
- **Iodine (ppm)**: [ ]
- **Dramtronic (ppm)**: [ ]
- **P4 (ppm)**: [ ]
- **Po 4 (ppm)**: [ ]

**RCRA Metals**

- **Arsenic (As)**: □
- **Chromium (Cr)**: □
- **Cobalt (Co)**: □
- **Cadmium (Cd)**: □
- **Copper (Cu)**: □
- **Nickel (Ni)**: □
- **Zinc (Zn)**: □

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

<table>
<thead>
<tr>
<th>Seq. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample age, Sample Volume, etc)</th>
<th>A/R</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>4014-CA-EZ-18-01</td>
<td>Exterior, Cabin 3, Beige Point</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>02</td>
<td>4014-CA-EZ-18-02</td>
<td>- 02 Exterior, Cabin 3, White Point</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>4014-CA-EZ-18-03</td>
<td>- 03 Exterior, Cabin 3, OFF White</td>
<td></td>
</tr>
</tbody>
</table>

Print Below

- **Sampled by**: Val Roberts
- **Reanalyzed by**: Val Roberts
- **Received by**: Alex Raymonds
- **Analyzed by**: Aaron Brown
- **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

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

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-NVL.LABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

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

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13059038</td>
<td>4014-CAB4-PB-01</td>
<td>0.2112</td>
<td>45.0</td>
<td>&lt; 45.0</td>
<td>&lt; 0.0045</td>
</tr>
<tr>
<td>13059039</td>
<td>4014-CAB4-PB-02</td>
<td>0.1965</td>
<td>46.0</td>
<td>5900.0</td>
<td>0.5900</td>
</tr>
<tr>
<td>13059040</td>
<td>4014-CAB4-PB-03</td>
<td>0.2049</td>
<td>46.0</td>
<td>7300.0</td>
<td>0.7300</td>
</tr>
</tbody>
</table>

Batch #: 1307408.00  
Matrix: Paint Chips  
Method: EPA 7000B  
Client Project #: 13-4014  
Date Received: 05/06/2013  
Samples Received: 3  
Samples Analyzed: 3

mg/Kg = Milligrams per kilogram  
RL = Reporting Limit  
< = Below the reporting Limit  
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.

Sampled by: Client  
Analyzed by: Aaron Brown  
Reviewed by: Nick Ly  
Date Analyzed: 05/09/2013  
Date Issued: 05/09/2013  

Bench Run No: 33-0506-03
### Chain of Custody

**Sample Log**

**NVL Batch ID**: 1307408

**Client**
- EnviroServices & Training CTR, LLC
  - 505 Ward Avenue, Suite 202
  - Honolulu, HI 96814

**Project Manager**
- Ms. Vel Roberts

**Project Location**
- Malaekahana Beach Park
  - Cabin 4

**Client Job Number**: 13-4014

**Total Samples**: 3

**Turn Around Time**
- 1-Hr
- 4-Hrs
- 2 Days
- 5 Days
- 1 Day
- 2-4 Days
- 6-10 Days

**Please call for TAT less than 24 Hrs**

**Phone**: (808) 839-7222

**Fax**: (808) 839-4456

**Cell**: (808) 384-9590

**Email address**: vel@gooleec.com

---

<table>
<thead>
<tr>
<th>No.</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (ex: Sample are, Sample Volume, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>4014-CAB4-PS-01</td>
<td>Interior - Cabinet 4, Grey Paint</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>4014-CAB4-PS-02</td>
<td>Interior - Cabinet 4, White Paint</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>4014-CAB4-PS-03</td>
<td>Exterior - Cabinet 4, Brown Paint</td>
</tr>
</tbody>
</table>

---

**Sampled by**: [Signature]

**Rollingsh by**: [Signature]

**Received by**: [Signature]

**Analyzed by**: [Signature]

**Results Called by**: [Signature]

**Results Faxed by**: [Signature]

**Print Below**: [Signature]

**Sight Below**: [Signature]

**Company**: NVL

**Date**: 5/9/13

**Time**: 11:30

**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

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,

[Signature]

Nick Ly, Technical Director

Enclosure:
## Analysis Report

### Total Lead (Pb)

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 605 Ward Avenue, Suite 202  
Honolulu, HI 96814  

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

**Batch #: 130741.00**  
**Matrix:** Paint Chips  
**Method:** EPA 7000B  
**Client Project #: 13-4014**  
**Date Received:** 05/08/2013  
**Samples Received:** 8  
**Samples Analyzed:** 8

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069368</td>
<td>4014-CAB5-PB-01</td>
<td>0.1953</td>
<td>46.0</td>
<td>130.0</td>
<td>0.0130</td>
</tr>
<tr>
<td>13069369</td>
<td>4014-CAB5-PB-02</td>
<td>0.1942</td>
<td>46.0</td>
<td>170.0</td>
<td>0.0170</td>
</tr>
<tr>
<td>13069870</td>
<td>4014-CAB5-PB-03</td>
<td>0.1944</td>
<td>46.0</td>
<td>630.0</td>
<td>0.0830</td>
</tr>
<tr>
<td>13069871</td>
<td>4014-CAB5-PB-04</td>
<td>0.2011</td>
<td>46.0</td>
<td>&lt;46.0</td>
<td>&lt;0.0046</td>
</tr>
<tr>
<td>13069872</td>
<td>4014-CAB5-PB-05</td>
<td>0.1987</td>
<td>47.0</td>
<td>&lt;47.0</td>
<td>&lt;0.0047</td>
</tr>
<tr>
<td>13069873</td>
<td>4014-CAB5-PB-06</td>
<td>0.1982</td>
<td>47.0</td>
<td>9700.0</td>
<td>0.9700</td>
</tr>
<tr>
<td>13069874</td>
<td>4014-CAB5-PB-07</td>
<td>0.1945</td>
<td>46.0</td>
<td>2000.0</td>
<td>0.2000</td>
</tr>
<tr>
<td>13069875</td>
<td>4014-CAB5-PB-08</td>
<td>0.2073</td>
<td>45.0</td>
<td>1100.0</td>
<td>0.1100</td>
</tr>
</tbody>
</table>

---

Sampled by: Client  
Analyzed by: Aaron Brown  
Reviewed by: Nick Ly  
Date Analyzed: 05/08/2013  
Date Issued: 05/08/2013  

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.  

**Batch Run No:** 33-0508-01  
**Page 1 of 1**
### NVL Laboratories, Inc.

**4708 Aurora Ave N, Seattle, WA 98103**

**Tel:** 206.547.0100  **Emrg.Cell:** 206.514.4045  **Fax:** 206.834.1938  **1.888.NVL.LABS (685.6227)**

**Client:** EnviroServices & Training GTR, LLC  
**Address:** 565 Werd Avenue, Suite 202  
**Honokai, HI 98814**  
**Project Manager:** Mr. Vel Roberts  
**Project Location:** Malakesha Beach Park  
**Cabin 5**  
**Phone:** (808) 839-7222  
**Fax:** (808) 839-4455  
**Email:** vel@noloslc.com  
**Call:** (808) 384-0590

---

**CHAIN of CUSTODY**  
**SAMPLE LOG**  
**NVL Batch ID 1307411**

**NVL Batch Number:**  
**Client Job Number:** 13-Y004  
**Total Samples:** 8  
**Turn Around Time:**  
- 1-Hr  
- 2-Hrs  
- 4-Hrs  
- 2 Days  
- 3 Days  
- 4 Days  
**Other Notes:** Please call for TAT less than 24 Hrs

- Asbestos Air  
- PCM (NIOSH 7400)  
- TEM (NIOSH 7402)  
- TEM (AKHERA)  
- TEM (EPA Level II)  
- Other

- Asbestos Bulk  
- PLM (EPA/800R-03/11)  
- PLM (EPA Point Count)  
- PLM (EPA Gravimetry)  
- TEM BULK

- Mold/Plumes  
- Mold Air  
- Mold Bulk  
- Rotometer Calibration

<table>
<thead>
<tr>
<th>NETALS</th>
<th>Eq. Limit</th>
<th>Matrix</th>
<th>RORRA Metals</th>
<th>Other Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Metals</td>
<td>GFAA (ppm)</td>
<td>Air Filter</td>
<td>Arsenic (As)</td>
<td>All B</td>
</tr>
<tr>
<td>TCLP</td>
<td>ICP (ppm)</td>
<td>Drinking water</td>
<td>Chromium (Cr)</td>
<td>All 3</td>
</tr>
<tr>
<td>Cr 8</td>
<td>GFAA (ppm)</td>
<td>Dust/Wipe (Area)</td>
<td>Barium (Ba)</td>
<td>Copper (Cu)</td>
</tr>
<tr>
<td>Cr 8</td>
<td>GFAA (ppm)</td>
<td>Paint Chips in %</td>
<td>Lead (Pb)</td>
<td>Nickel (Ni)</td>
</tr>
<tr>
<td>Cr 8</td>
<td>GFAA (ppm)</td>
<td>Paint Chips in cm</td>
<td>Cadmium (Cd)</td>
<td>Zinc (Zn)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sag. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample area, Sample Volume, etc)</th>
<th>AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>4041-CABS-PB-01</td>
<td>Interior, Cabin 5, Beige Paint</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>4041-CABS-PB-02</td>
<td>Interior, Cabin 5, Blue Paint</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>4041-CABS-PB-03</td>
<td>Interior, Cabin 5, White Paint</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>4041-CABS-PB-04</td>
<td>Interior, Cabin 5, Brown Paint</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>4041-CABS-PB-05</td>
<td>Exterior, Cabin 5, Grey Paint</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>4041-CABS-PB-06</td>
<td>Exterior, Cabin 5, Brown Paint</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>4041-CABS-PB-07</td>
<td>Exterior, &quot; n&quot;, Beige Paint</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>4041-CABS-PB-08</td>
<td>Exterior, &quot; n&quot;, Aqua Paint</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sampled by:** Vel Roberts  
**Received by:** Anne Brown  
**Reanalyzed by:** Vel Roberts  
**Company:** ETL  
**Data:** 4/23/13  
**Time:** 5:11/13

**Sampled by:** Vel Roberts  
**Received by:** Anne Brown  
**Reanalyzed by:** Vel Roberts  
**Company:** NVL  
**Data:** 5/19/13  
**Time:** 12:15

**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

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/cm². 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-NVL.LABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:
## Analysis Report

**Total Lead (Pb)**

**Client:** EnviroServices & Training CTR, LLC  
**Address:** 506 Ward Avenue, Suite 202  
**Honolulu, HI 96814**

**Attention:** Ms. Vel Roberts  
**Project Location:** Malekahana Beach Park-Cabin 5 and 7

---

**Batch #: 1307419.00**  
**Matrix:** Paint Chips  
**Method:** EPA 7000B  
**Client Project #: 13-4014**  
**Date Received:** 05/09/2013  
**Samples Received:** 5  
**Samples Analyzed:** 5

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069932</td>
<td>4014-PB-01</td>
<td>0.2080</td>
<td>45.0</td>
<td>2700.0</td>
<td>0.2700</td>
</tr>
<tr>
<td>13069933</td>
<td>4014-PB-02</td>
<td>0.1876</td>
<td>50.0</td>
<td>&lt;50.0</td>
<td>&lt;0.0050</td>
</tr>
<tr>
<td>13069934</td>
<td>4014-PB-03</td>
<td>0.1963</td>
<td>47.0</td>
<td>&lt;47.0</td>
<td>&lt;0.0047</td>
</tr>
<tr>
<td>13069935</td>
<td>4014-PB-04</td>
<td>0.1950</td>
<td>48.0</td>
<td>&lt;48.0</td>
<td>&lt;0.0048</td>
</tr>
<tr>
<td>13069936</td>
<td>4014-PB-05</td>
<td>0.1803</td>
<td>52.0</td>
<td>&lt;52.0</td>
<td>&lt;0.0052</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Aaron Brown  
**Reviewed by:** Nick Ly  
**Date Analyzed:** 05/08/2013  
**Date Issued:** 05/08/2013

**mg/Kg = Milligrams per kilogram**  
**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:** 33-0508-01
NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell 206.914.4843
Fax 206.034.1936 1.866.NVL.LABS (685.5927)

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honnolulu, HI 96814

Project Manager: Ms. Vel Roberts
Project Location: Makalapa Beach Park
Cabin 6 & 7

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

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk ☐ PLM (EPA/500/R-93/118) ☐ PLM (EPA Paint Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungi ☐ Mold Air ☐ Mold bulk ☐ Rotometer Calibration

METALS
☐ Total Metals ☐ Det. Limit
☐ TCLP ☐ Matrix
☐ Cr 6 ☐ Air Filter
☐ CDP (ppm) ☐ Drinking water
☐ GFAA (ppm) ☐ Paint Chips (%)
☐ Soil ☐ Paint Chips in cm
☐ Barium (Ba) ☐ Cadmium (Cd)
☐ Chromium (Cr) ☐ Mercury (Hg)
☐ Copper (Cu) ☐ Nickel (Ni)
☐ Lead (Pb) ☐ Zinc (Zn)

☐ Other Metals ☐ All 3
☐ Other Metals ☐ All 3
☐ Other Metals ☐ All 3
☐ Other Metals ☐ All 3

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

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

Seg. #  Lab ID  Client Sample Number  Comments (e.g. Sample are, Sample Volume, etc.)  AIR
1  404-PB-01  Exterior - Cabin 67, Gray Paint
2  404-PB-02  Exterior - Cabin 67, Green Paint
3  404-PB-03  Exterior - Cabin 67, Blue Paint
4  404-PB-04  Exterior - Cabin 67, White Paint
5  404-PB-05  Interior - Cabin 67, Brown Paint

Sampled by: Vel Roberts
Relinquished by: Vel Roberts
Received by: Vel Roberts
Analyzed by: Ann Brown
Results Called by: Vel Roberts
Results Faxed by: Vel Roberts

Date: 5/26/13  Time: 12:15

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
506 Ward Avenue, Suite 202
Honolulu, HI 96814

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 wips 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,

[Signature]

Nick Ly, Technical Director

Enclosure:
# Total Lead (Pb)

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

**Attention:** Ms. Vel Roberts  
**Project Location:** Malaskahana Beach Park Security Residence (office)

**Batch #:** 1307428.00  
**Matrix:** Paint Chips  
**Method:** EPA 7000B  
**Client Project #:** 13-4014  
**Date Received:** 05/06/2013  
**Samples Received:** 5  
**Samples Analyzed:** 5

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069970</td>
<td>4014-office-Pb-01</td>
<td>0.1812</td>
<td>51.0</td>
<td>&lt;51.0</td>
<td>&lt;0.0051</td>
</tr>
<tr>
<td>13069971</td>
<td>4014-office-Pb-02</td>
<td>0.2144</td>
<td>43.0</td>
<td>2800.0</td>
<td>0.2800</td>
</tr>
<tr>
<td>13069972</td>
<td>4014-office-Pb-03</td>
<td>0.1836</td>
<td>51.0</td>
<td>&lt;51.0</td>
<td>&lt;0.0051</td>
</tr>
<tr>
<td>13069973</td>
<td>4014-office-Pb-04</td>
<td>0.1995</td>
<td>47.0</td>
<td>990.0</td>
<td>0.0990</td>
</tr>
<tr>
<td>13069974</td>
<td>4014-office-Pb-05</td>
<td>0.1609</td>
<td>52.0</td>
<td>750.0</td>
<td>0.0750</td>
</tr>
</tbody>
</table>

---

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.

Sampled by: Client  
Analyzed by: Aaron Brown  
Reviewed by: Nick Ly  
Date Analyzed: 05/06/2013  
Date Issued: 05/06/2013  
RL = Reporting Limit  
'<' = Below the reporting Limit

Bench Run No: 33-0508-01
**NVL Batch ID**

1307426

**Client:** Enviro Services & Training CTR, LLC  
**Address:** 505 Waikiki Avenue, Suite 202  
**City:** Honolulu, HI 96814

**Project Manager:** Ms. Vel Roberts  
**Project Location:** Hualalai Beach Resort—Security Residence (Office)

**Phone:** (808) 839-7222  
**Fax:** (808) 839-4455  
**Email:** vel@nvlabs.com

**Sample Log**

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g., Sample Area, Sample Volume, etc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>404-Office-PB-O1</td>
<td>Exterior, Office, Green Point</td>
</tr>
<tr>
<td>2</td>
<td>-02</td>
<td>Exterior, Office, Beige Paint</td>
</tr>
<tr>
<td>3</td>
<td>-03</td>
<td>Interior, Office, White Paint</td>
</tr>
<tr>
<td>4</td>
<td>-04</td>
<td>Interior, Office, Beige Paint</td>
</tr>
<tr>
<td>5</td>
<td>-05</td>
<td>Exterior, Office, AH/Blue</td>
</tr>
</tbody>
</table>

**Sample Details**

- **Sample Type:** Air
- **Matrix:** PFAA (ppm)
- **Analysis:** Soil, Paint Chips in %
- **Equipment:** GFAA (ppm)
- **Laboratory:** NVL

**Date and Time:** 4/6/13 1:53 PM

**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
506 Ward Avenue, Suite 202
Honolulu, HI 96814

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.

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:
### Analysis Report

**Total Lead (Pb)**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Manoa Hanana Beach Park (CCR)-Chapman Caretaker Residence

**Batch #:** 1311277.00  
**Matrix:** Paint Chips  
**Method:** EPA 7000B  
**Client Project #:** 13-0014  
**Date Received:** 7/8/2013  
**Samples Received:** 9  
**Samples Analyzed:** 9

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL In mg/Kg</th>
<th>Results In mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092295</td>
<td>4014-PB-CCR-01</td>
<td>0.0761</td>
<td>110.0</td>
<td>250.0</td>
<td>0.0280</td>
</tr>
<tr>
<td>13092296</td>
<td>4014-PB-CCR-02</td>
<td>0.1304</td>
<td>67.0</td>
<td>&lt; 67.0</td>
<td>&lt; 0.0067</td>
</tr>
<tr>
<td>13092297</td>
<td>4014-PB-CCR-03</td>
<td>0.2100</td>
<td>41.0</td>
<td>&lt; 41.0</td>
<td>&lt; 0.0041</td>
</tr>
<tr>
<td>13092298</td>
<td>4014-PB-CCR-04</td>
<td>0.0972</td>
<td>89.0</td>
<td>&lt; 89.0</td>
<td>&lt; 0.0089</td>
</tr>
<tr>
<td>13092299</td>
<td>4014-PB-CCR-05</td>
<td>0.2117</td>
<td>41.0</td>
<td>&lt; 41.0</td>
<td>&lt; 0.0041</td>
</tr>
<tr>
<td>13092300</td>
<td>4014-PB-CCR-06</td>
<td>0.1089</td>
<td>80.0</td>
<td>80.0</td>
<td>0.0080</td>
</tr>
<tr>
<td>13092301</td>
<td>4014-PB-CCR-07</td>
<td>0.0822</td>
<td>110.0</td>
<td>&lt; 110.0</td>
<td>&lt; 0.0110</td>
</tr>
<tr>
<td>13092302</td>
<td>4014-PB-CCR-08</td>
<td>0.1546</td>
<td>56.0</td>
<td>&lt; 56.0</td>
<td>&lt; 0.0056</td>
</tr>
<tr>
<td>13092303</td>
<td>4014-PB-CCR-09</td>
<td>0.1513</td>
<td>57.0</td>
<td>1700.0</td>
<td>0.1700</td>
</tr>
</tbody>
</table>

**Sampled by:** Client  
**Analyzed by:** Fatima Khan  
**Reviewed by:** Nick Ly  
**Date Analyzed:** 07/12/2013  
**Date Issued:** 07/12/2013

---

**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.
**NVL Laboratories, Inc.**

4708 Aurora Ave N, Seattle, WA 98103

Tel: 206.647.0100 Emorg. Pager: 206.644.1078
ex: 206.634.1938 1,888.NVL.LABS (666.5227)

**CHAIN of CUSTOM SAMPLE LOG**

NVL Batch ID: 1311277

**Client:** Enviro Services Training

**Street:** 505 Ward Avenue - Suite 202

Honiulu, HI 96814

**Project Manager:** Deana Sueko

**Project Location:** Waiakea Beach Park (CCR) - Chapman Caraker Residence

**Phone:** 808.839.7222 Fax: 808.839.4495

**Asbestos Air**

**Asbestos Bulk**

**Mold/Fungi**

**Other Types of Analysis**

<table>
<thead>
<tr>
<th>METALS</th>
<th>Inst/Doc Limit</th>
<th>Matrix</th>
<th>Other Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Metals</td>
<td>FAA ppm</td>
<td>Air Filter</td>
<td>All R</td>
</tr>
<tr>
<td>TCLP</td>
<td>ICP ppm</td>
<td>Drinking water</td>
<td>All A</td>
</tr>
<tr>
<td></td>
<td>GFAA (ppb)</td>
<td>Waste Water</td>
<td>Fumaric (As)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dust/Wipes (Area)</td>
<td>Barium (Ba)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>Cadmium (Cd)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Paint Chips in %</td>
<td>Chromium (Cr)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Lead (Pb)</td>
</tr>
</tbody>
</table>

**Condition of Package:**

- Good
- Damaged (no spillage)
- Severe damage (spillage)

**Seq. #** | **Lab ID** | **Client Sample Number** | **Comments (e.g. Sample area, Sample Volume, etc.)**
---|---|---|---
1 | | | *Please see attached* 
2 | | |
3 | | |
4 | | |
5 | | |
6 | | |
7 | | |
8 | | |
9 | | |
10 | | |
11 | | |
12 | | |
13 | | |
14 | | |
15 | | |

**Print Below**

**Sign Below**

**Company**

**Date**

**Time**

**Sampled by:** Deana Sueko

**Received by:** Deana Sueko

**Signified by:** Deana Sueko

**Analyzed by:** Deana Sueko

**Results Signed by:** Deana Sueko

**Results Fax Ed by:** Deana Sueko

**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Homogeneous Areas</th>
<th>Paint Description (Color, Texture, Etc.)</th>
<th>Substrate (Concrete, Metal, CMU, Wood, Etc.)</th>
<th>Notes</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-PB-OCR-01</td>
<td>Interior</td>
<td>Thoroughly</td>
<td>White Paint on Walls, Cabinets, Door, Beams, Door Frames &amp; Window Frame</td>
<td>Wood</td>
<td></td>
<td>Good</td>
</tr>
<tr>
<td>02</td>
<td>Office</td>
<td></td>
<td>Light Blue Paint on Walls, Window Frame &amp; Door</td>
<td>Wood + Drywall</td>
<td></td>
<td>Fair</td>
</tr>
<tr>
<td>03</td>
<td>Enclosed Lanai</td>
<td></td>
<td>Red Paint on Floor</td>
<td>Wood</td>
<td></td>
<td>Poor</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td></td>
<td>Yellow Paint on Walls, Beams</td>
<td>Wood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>Bedroom #1</td>
<td></td>
<td>Light Green Paint on Walls &amp; Beams &amp; Ceilings</td>
<td>Drywall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>Bathroom #3</td>
<td></td>
<td>Beige Paint on Walls</td>
<td>Wood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>Exterior</td>
<td></td>
<td>White Paint on Railings, Floor, Beams &amp; Ceilings, Door</td>
<td>Wood</td>
<td></td>
<td>Poor</td>
</tr>
<tr>
<td>Sample Number</td>
<td>Sample Location</td>
<td>Homogeneous Areas</td>
<td>Paint Description (Color, Texture, Etc.)</td>
<td>Substrate (Concrete, Metal, CMU, Wood, Etc.)</td>
<td>Notes</td>
<td>Condition</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------</td>
<td>------------------</td>
<td>------------------------------------------</td>
<td>---------------------------------------------</td>
<td>-------</td>
<td>-----------</td>
</tr>
<tr>
<td>484-98-CCR-08</td>
<td>Exterior</td>
<td>Beige/Yellow Paint on Walls, Beams</td>
<td>Wood</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>89</td>
<td></td>
<td>Beige/Yellow Paint on Pipes &amp; Junction Box</td>
<td>Metal</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
July 12, 2013

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/m². 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:
**Analysis Report**

**Total Lead (Pb)**

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park(Ash) Aaron Security House

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092228</td>
<td>4014-PB-ASH-01</td>
<td>0.1585</td>
<td>55.0</td>
<td>6000.0</td>
<td>0.6000</td>
</tr>
<tr>
<td>13092229</td>
<td>4014-PB-ASH-02</td>
<td>0.1821</td>
<td>48.0</td>
<td>&lt;48.0</td>
<td>&lt;0.0048</td>
</tr>
<tr>
<td>13092230</td>
<td>4014-PB-ASH-03</td>
<td>0.0972</td>
<td>89.0</td>
<td>&lt;89.0</td>
<td>&lt;0.0069</td>
</tr>
<tr>
<td>13092231</td>
<td>4014-PB-ASH-04</td>
<td>0.1313</td>
<td>66.0</td>
<td>&lt;66.0</td>
<td>&lt;0.0068</td>
</tr>
<tr>
<td>13092232</td>
<td>4014-PB-ASH-05</td>
<td>0.2192</td>
<td>40.0</td>
<td>7700.0</td>
<td>0.7700</td>
</tr>
<tr>
<td>13092233</td>
<td>4014-PB-ASH-06</td>
<td>0.1156</td>
<td>76.0</td>
<td>&lt;76.0</td>
<td>&lt;0.0075</td>
</tr>
<tr>
<td>13092234</td>
<td>4014-PB-ASH-07</td>
<td>0.1124</td>
<td>77.0</td>
<td>&lt;77.0</td>
<td>&lt;0.0077</td>
</tr>
<tr>
<td>13092235</td>
<td>4014-PB-ASH-08</td>
<td>0.1269</td>
<td>69.0</td>
<td>&lt;69.0</td>
<td>&lt;0.0069</td>
</tr>
<tr>
<td>13092236</td>
<td>4014-PB-ASH-09</td>
<td>0.0650</td>
<td>100.0</td>
<td>100.0</td>
<td>0.0100</td>
</tr>
<tr>
<td>13092237</td>
<td>4014-PB-ASH-10</td>
<td>0.1084</td>
<td>80.0</td>
<td>&lt;80.0</td>
<td>&lt;0.0080</td>
</tr>
<tr>
<td>13092238</td>
<td>4014-PB-ASH-11</td>
<td>0.0919</td>
<td>95.0</td>
<td>&lt;95.0</td>
<td>&lt;0.0095</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Fatima Khan  
**Reviewed by:** Nick Ly  
**Date Analyzed:** 07/12/2013  
**Date Issued:** 07/12/2013  

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.
# NVL Batch ID 1311271

**Client** Enviroservices & Training  
**Street** 505 Ward Avenue, Suite 202  
**City** Honolulu, HI  
**Job Number** #13-4014  
**Total Samples** (1)  
**Turn Around Time**  
- 1-Hr  
- 24-Hrs  
- 4 Days  
- 2 Days  
- 6 Days  
- 8 to 10 Days  
**Please call for TAT less than 24 Hrs**  
**Email Address** deana@gothec.com

**Asbestos Air**  
**Asbestos Bulk**  
**Mold/Fungus**  
**Other**  
**Condition of Package**  
- Good  
- Damaged (no spillage)  
- Severe damage (spillage)  

<table>
<thead>
<tr>
<th>Sac. #</th>
<th>Lab ID</th>
<th>Client Sample Number</th>
<th>Comments (e.g. Sample area, Sample Volume, etc.)</th>
<th>AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td><em>Please see attached</em></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sampled by** Deana Sueoka  
**Relinquished by** Deana Sueoka  
**Received by** Deana Sueoka  
**Analyzed by** Deana Sueoka  
**Results Called by** Deana Sueoka  
**Results Fixed by** Deana Sueoka  
**Company** ETC  
**Date** 7/3/13  
**Time** 7/3/13  
**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Area</th>
<th>Interior/Exterior</th>
<th>Description</th>
<th>Color</th>
<th>Condition</th>
<th>Substrate</th>
<th>Lead Conc. (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4014-PB-ASH-01</td>
<td>Aaron Security House</td>
<td>Interior</td>
<td>White Paint on Walls, Ceilings, Beams, Doors &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-02</td>
<td>Aaron Security House</td>
<td>Interior</td>
<td>Beige Paint on Walls</td>
<td>Beige</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-03</td>
<td>Aaron Security House</td>
<td>Interior</td>
<td>Blue Paint on Walls, Ceilings, Beams &amp; Cabinets</td>
<td>Blue</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-04</td>
<td>Aaron Security House</td>
<td>Exterior</td>
<td>White Paint on Walls &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-05</td>
<td>Aaron Security House</td>
<td>Exterior</td>
<td>Grey Paint on Walls, Door &amp; Beams</td>
<td>Grey</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-06</td>
<td>Aaron Security House</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-06</td>
<td>Aaron Security House</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-07</td>
<td>Aaron Security House-Storage 1</td>
<td>Interior</td>
<td>White Paint on Ceilings &amp; Beams</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-08</td>
<td>Aaron Security House-Storage 1</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-09</td>
<td>Aaron Security House-Storage 2</td>
<td>Interior</td>
<td>Pink Paint of Ceiling</td>
<td>Pink</td>
<td>Poor</td>
<td>Metal</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-10</td>
<td>Aaron Security House-Storage 2</td>
<td>Interior</td>
<td>White Paint on Walls &amp; Window Frames</td>
<td>White</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>4014-PB-ASH-11</td>
<td>Aaron Security House-Storage 2</td>
<td>Exterior</td>
<td>Pink Paint on Walls</td>
<td>Pink</td>
<td>Poor</td>
<td>Wood</td>
<td></td>
</tr>
</tbody>
</table>
July 12, 2013

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

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 846-3061 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:
# Analysis Report

## Total Lead (Pb)

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park (GWR) Game Warden Residence

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Sample Weight (g)</th>
<th>RL in mg/Kg</th>
<th>Results in mg/Kg</th>
<th>Results In percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092337</td>
<td>4014-PB-GWR-01</td>
<td>0.0733</td>
<td>120.0</td>
<td>520.0</td>
<td>0.0520</td>
</tr>
<tr>
<td>13092338</td>
<td>4014-PB-GWR-02</td>
<td>0.1058</td>
<td>82.0</td>
<td>&lt; 82.0</td>
<td>&lt; 0.0082</td>
</tr>
<tr>
<td>13092339</td>
<td>4014-PB-GWR-03</td>
<td>0.1689</td>
<td>51.0</td>
<td>51.0</td>
<td>0.0051</td>
</tr>
<tr>
<td>13092340</td>
<td>4014-PB-GWR-04</td>
<td>0.0840</td>
<td>100.0</td>
<td>&lt; 100.0</td>
<td>&lt; 0.0100</td>
</tr>
<tr>
<td>13092341</td>
<td>4014-PB-GWR-05</td>
<td>0.2070</td>
<td>42.0</td>
<td>410.0</td>
<td>0.0410</td>
</tr>
</tbody>
</table>

**Batch #:** 1311279.00  
**Matrix:** Paint Chips  
**Method:** EPA 7000B  
**Client Project #:** 13-4014  
**Date Received:** 7/8/2013  
**Samples Received:** 5  
**Samples Analyzed:** 5

---

**Sampled by:** Client  
**Analyzed by:** Fatima Khan  
**Reviewed by:** Nick Ly  
**Date Analyzed:** 07/12/2013  
**Date Issued:** 07/12/2013

---

mg/ Kg = Milligrams per kilogram  
Percent = Milligrams per kilogram / 10000  
RL = Reporting Limit  
< = Below the reporting Limit  
Note: Method QC results are acceptable unless stated otherwise.  
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

**Bench Run No:** 33-0712-01
**CHAIN of CUSTODY**

**SAMPLE LOG**

**NVL Batch ID: 1311279**

**Client:** Enviroservices & Training  
**Client Job Number:** F13-4044  
**Project Location:** Maolakahana Beach Park (GWG) - Game Warden Residence  
**Project Manager:** Deana Sheoka  
**Turn Around Time:** 1-2 Days  
**Phone:** 808-838-7232  
**Fax:** 808-833-4435  
**NVL Batch Number:**  
**Total Samples:** 5  
**Please call for TAT less than 24 Hrs**  
**Email address:** deana@goettec.com

<table>
<thead>
<tr>
<th>Assayed For</th>
<th>Metals</th>
<th>RCRA Metals</th>
<th>Other Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inst./Det Limit</td>
<td>Matrix</td>
<td>All A</td>
</tr>
<tr>
<td></td>
<td>FFA (ppm)</td>
<td>Air Filter</td>
<td>Asbestos (As)</td>
</tr>
<tr>
<td></td>
<td>SCP (ppm)</td>
<td>Drinking water</td>
<td>Barium (Ba)</td>
</tr>
<tr>
<td></td>
<td>GFAA (ppb)</td>
<td>Dust/Wipe (Area)</td>
<td>Cadmium (Cd)</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>Other</td>
<td>Selenium (Se)</td>
</tr>
<tr>
<td></td>
<td>Paint Chips in %</td>
<td>Paint Chips in %</td>
<td>Chromium (Cr)</td>
</tr>
</tbody>
</table>

**Condition of Package:** Good  
**Seq. #** | **Lab ID** | **Client Sample Number** | **Comments (e.g., Sample area, Sample Volume, etc.)** | **AJR** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>* Please see attached *</td>
<td></td>
</tr>
</tbody>
</table>

**Print Below**  
**Sign Below**  
**Sampled by:** Deana Sheoka  
**Reassigned by:** Maolakahana Beach Park (GWG) - Game Warden Residence  
**Resolved by:** Deana Sheoka  
**Analyzed by:** Maolakahana Beach Park (GWG) - Game Warden Residence  
**Results Called by:** Maolakahana Beach Park (GWG) - Game Warden Residence  
**Results Faxed by:** Maolakahana Beach Park (GWG) - Game Warden Residence  
**Company:** ETC  
**Date:** 7/3/13  
**Time:** 7/3/13  
**Date:** 7/6/13  
**Time:** 7/6/13  
**Company:** N/A  
**Date:** 7/12/13  
**Time:** 7/12/13  

**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Homogeneous Areas</th>
<th>Paint Description (Color, Texture, Etc.)</th>
<th>Substrate (Concrete, Metal, GNR, Wood, Etc.)</th>
<th>Notes</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Interior</td>
<td>Throughout</td>
<td>White Paint on Walls, Door Frame, Ceiling, Doors, Window Frame</td>
<td>Wood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Bedroom #3</td>
<td></td>
<td>Pink Paint on Walls</td>
<td>Drywall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td></td>
<td>Throughout</td>
<td>White Paint on Ceilings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>Exterior</td>
<td>Exterior</td>
<td>Lt. Blue on Walls, Beams, Ceilings, Door</td>
<td>Woods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td></td>
<td></td>
<td>Dark Blue Paint on Walls, Window Frames, Beams</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
May 10, 2013

Val Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 86814

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,

Nick Ly, Technical Director

Enclosure:
**Total Metals**

**Batch #: 1307421.00**

**Matrix:** Bulk  
**Method:** EPA 8010  
**Client Project #:** 13-4014  
**Date Received:** 05/08/2013  
**Samples Received:** 4  
**Samples Analyzed:** 4

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Elements</th>
<th>Sample wt (g)</th>
<th>RL mg/kg</th>
<th>Results In mg/kg</th>
<th>Results In ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>13069958</td>
<td>4014-Ars-CAB2-01</td>
<td>Arsenic (As)</td>
<td>0.2376</td>
<td>17.0</td>
<td>1500.0</td>
<td>1500.0</td>
</tr>
<tr>
<td>13069959</td>
<td>4014-Ars-CAB4-01</td>
<td>Arsenic (As)</td>
<td>0.2203</td>
<td>18.0</td>
<td>&lt; 18.0</td>
<td>&lt; 18.0</td>
</tr>
<tr>
<td>13069960</td>
<td>4014-Ars-CAB5-01</td>
<td>Arsenic (As)</td>
<td>0.2445</td>
<td>16.0</td>
<td>&lt; 18.0</td>
<td>&lt; 18.0</td>
</tr>
<tr>
<td>13069961</td>
<td>4014-Ars-CAB6-01</td>
<td>Arsenic (As)</td>
<td>0.2312</td>
<td>17.0</td>
<td>2100.0</td>
<td>2100.0</td>
</tr>
</tbody>
</table>

---

**Sampled by:** Client  
**Analyzed by:** Jacob Blair  
**Reviewed by:** Nick Ly  
**Date Analyzed:** 05/09/2013  
**Date Issued:** 05/10/2013

**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. 206.544.6043  
Fax 206.634.1035  1.888.NVL.LABS (685.6227)

**CHAIN of CUSTODY**  
**SAMPLE LOG**  

**NVL Batch ID**  
1307421

**Client:** EnviroServices & Training GTR LLC  
**Street:** 505 Ward Avenue, Suite 202  
Honolulu, HI 96814

**Project Manager:** Vel Roberts  
**Project Location:** Makahana Beach Park

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

**NVL Batch Number:** Fourth (4) - 13-4014  
**Client Job Number:** Fourth (4)

**Total Samples:** Fourth (4)

**Turn Around Time:**
- 1-2 Days
- 3-4 Days
- 4-5 Days
- 6-8 Days
- 8-10 Days
- 12-14 Days
- 14-16 Days

**EMERGENCY CALL:**
- 24/7 Hotline: 206.544.6043
- After Hours: 206.542.6000

**Email Address:** Vel@polosic.com

**Call:** (808) 384-0590

**METALS**
- Total Metals
- TCLP
- Cr 6

**Matrix:**
- Air Filter
- Drinking water
- Dustwipes (Area)
- Paint Chips in %
- Paint Chips in cm

**Sampled by:** Vel Roberts

**Sign Below:**

**Company:**

**Date:** 5/11/13  
**Time:** 10:15 PM

**Sampled by:** Vel Roberts

**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

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 206-647-0100 or 1-888-NVLLABS.

Sincerely,

[Signature]

Nick Ly, Technical Director

Enclosure:
## Total Metals

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

**Attention:** Ms. Deana Sueoka  
**Project Location:** Malaekahana Beach Park (CCR)-Chapman Caretaker Residence

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Client Sample #</th>
<th>Elements</th>
<th>Sample wt (g)</th>
<th>RL</th>
<th>Results In mg / kg</th>
<th>Results In ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>13092293</td>
<td>4014-ARS-CCR-01</td>
<td>Arsenic (As)</td>
<td>0.2021</td>
<td>15.0</td>
<td>&lt; 15.0</td>
<td>&lt; 15.0</td>
</tr>
</tbody>
</table>

**Batch #:** 1311275.00  
**Matrix:** Bulk  
**Method:** EPA 8010  
**Client Project #:** 13-4014  
**Date Received:** 7/3/2013  
**Samples Received:** 1  
**Samples Analyzed:** 1

---

Sampled by: Client  
Analyzed by: Aaron Brown  
Reviewed by: Nick Ly  
Date Analyzed: 07/09/2013  
Date Issued: 07/09/2013

mg/kg = Milligrams per kilogram  
ppm = Parts per million  
RL = Reporting Limit  
*<* = Below the reporting Limit

Note: Method QC results are acceptable unless stated otherwise.  
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 33-0799-02  
Page 1 of 1
NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 E-mail: info@nvllabs.com
Fax: 206.334.1380 Phone: 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY
SAMPLE LOG

NVL Batch ID
1311275

NVL Batch Number
13-4014

Client Job Number

Total Samples

Turn Around Time
1-3 hrs 24 hrs 4 Days
2-5 days 5 days
5-8 days 8-10 days

Please call for TAT less than 24 hrs

Email address: deana.og@nvllabs.com

Client: Environservs Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

Project Manager: Deana Sueoka
Project Location: Palakakaha Beach Park
(COE) Chapman Caretaker Residence

Phone: 808-839-7222 Fax: 808-839-9495

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk ☐ PLM (EPA/600/FR-93/118) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk
☐ Mold/Fungi ☐ Mold Air ☐ Mold Bulk ☐ Rotomeasure Calibration

METALS
☐ Total Metals ☐ TCLP
☐ FAF (pom) ☐ Air Filter ☐ Paint Chips In cm
☐ ICP (pom) ☐ Drinking Water ☐ Waste Water
☐ GFAA (pom) ☐ Dust/Wipe (Area) ☐ Other
☐ Soil ☐ Paint Chips In %

RCRA Metals
☐ All A
☐ Arsenic (As)
☐ Barium (Ba)
☐ Cadmium (Cd)
☐ Chromium (Cr)
☐ Copper (Cu)
☐ Lead (Pb)
☐ Tin (Sn)
☐ Nickel (Ni)
☐ Silver (Ag)
☐ Mercury (Hg)
☐ Selenium (Se)

☐ All 3
☐ Other Metals
☐ Other (Specify)

☐ Other Types of Analysis
☐ Fiberglass ☐ Silica ☐ Respirable Dust
☐ Silica Dust ☐ Other 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
4
5
6
7
8
9
10
11
12
13
14
15

Print Below
Signed Below
Company:
Company Name:

Date: 7/8/13
Time: 8:13

Sampled by: Deana Sueoka
Railinquished by: Deana Sueoka
Received by: Helen Lee
Analyzed by: Helen Lee
Results Collected by: Helen Lee
Results Faxed by: Helen Lee

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 3

ETC JOB #13-4014
MAP 2 of 8

○ ASBESTOS SAMPLES
4014-CAB3-01 to -03  12" x 12" Green Vinyl Floor Tilt (VFT) with Mastilo
4014-CAB3-04 to -06  Brown Cementitious Flooring with Mastilo
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 Tiltce with Grout (various colors)
4014-CAB3-19 to -21  Black Asphallic Roofing Material
4014-CAB3-22 to -24  Cementitious Wall Panels (Exterior)

ASBESTOS CONTAINING MATERIALS (ACM)
4014-CAB3-19 to -21  Black Asphallic Roofing Material (Throughout Roof)

NOT TO SCALE
ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 4

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 Mastio
4014-CAB4-10 to -12 Bathroom Sink Caulking
4014-CAB4-13 to -16 Grey Flooring Panels
4014-CAB4-18 to -18 Door Caulking
4014-CAB4-19 to -21 Window Caulking
4014-CAB4-22 to -24 Black Asphalitio Roofing Material
4014-CAB4-25 to -27 Cementitious Wall Panels (Exterior) (Exterior)

ASBESTOS CONTAINING MATERIALS (ACM)
4014-CAB4-22 to -24 Black Asphalitio Roofing Material (Throughout Roof)

NOT TO SCALE
ASBESTOS SAMPLES
4014-CABS-01 to -03 12" x 12" White with Black Spocks Vinyl Floor Tile (VFT) and Mastic under carpet
4014-CABS-04 to -06 12" x 12" Gray VFT with replacement tiles and Mastic
4014-CABS-07 to -09 9" x 9" Black VFT and Mastic under carpet
4014-CABS-10 to -12 Drywall Walls
4014-CABS-19 to -16 Cementitious Wall Panels (Interior)
4014-CABS-18 to -18 Cementitious Wall Panels (exterior)
4014-CABS-19 to -21 Black Asbestos Roofing Material

ASBESTOS CONTAINING MATERIALS (ACM)
4014-CABS-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

ASBESTOS SAMPLES
4014-AB-01 to -03  Drywall Walls
4014-AB-04 to -06  Gray 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-17 to -18  Counter Caulking
4014-AB-19 to -21  Gypsum Caulking
4014-AB-22 to -24  Blue Sheet Vinyl Flooring with Mastic
4014-AB-25 to -27  Black Asbestos Roofing Material
4014-AB-28 to -30  Cementitious Flooring with Mastic
4014-AB-31 to -33  Shower Caulking
4014-AB-34 to -36  Multi-color Ceramic Floor Tile with replacement tiles

ASBESTOS CONTAINING MATERIALS (ACM)
4014-AB-04 to -06  Gray Sink Undercoat
4014-AB-28 to -27  Black Asbestos Roofing Material (Throughout Roof)

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-838-7222  Fax: (808)-839-4455
ABSENOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
SECURITY OFFICE

ABSENOS SAMPLES
4014-OFFICE-01 to -03 12" x 12" White and Blue Checkered Pattern Vinyl Floor Tile (VFT) and Mastic
4014-OFFICE-04 to -08 Drywall Walls & Ceiling
4014-OFFICE-07 to -09 Kitchen Counter Countertop
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

ABSENOS CONTAINING MATERIALS (ACM)
\[\text{4014-OFFICE-13 to -15 12" x 12" White VFT and Mastic}\]

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-539-7222    Fax: (808)-639-4499
ASBESTOS CONTAINING MATERIALS (ACM)

- 4014-GWR-07 White Sink Undercoat
- 4014-GWR-25 Sliding Door Caulking

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455
LEAD CONTAINING PAINT (LCP)

4014-PB-GWR-04: White Paint on Wood - Walls, Door Frame, Ceiling, Doors & Window Frame (poor condition)

4014-PB-GWR-05: 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

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222    Fax: (808)-839-4465
ASBESTOS CONTAINING MATERIALS (ACM)

- 4014-CCR-22  Black Sink Undercoat
- 4014-CCR-46  Brown & Black Pipe Penetration Sealant (Exterior Roof)

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

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-339-7222  Fax: (808)-339-4455