



**MURANAKA ENVIRONMENTAL CONSULTANTS, INC.**

P.O. Box 4341 Honolulu, HI 96812. Phone: 808-845-8822, Fax 808-845-8823

June 25, 2023

Department of Human Resources  
County of Hawai'i  
101 Pauahi Street, Suite 2  
Hilo, HI 96720

Re: Letter of Interest  
Attn: Waylen L. K. Leopoldino

Dear Mr. Leopoldino:

Muranaka Environmental Consultants, Inc. is interested in providing professional services in the fiscal year 20223 – 2024 for:

- CS.1 Industrial Hygiene (Industrial Hygienists),

Our firm is an interdisciplinary, environmental health and safety consulting firm. Since 1989, we have provided the Hawaii business community, federal, state, city and county agencies with professional consulting services.

We have comprehensive project experience and have provided both technical and management support for a variety of projects, including OSHA compliant training; asbestos and lead certified training; OSHA site evaluations; asbestos and lead paint surveys; indoor air quality assessments (mold, asbestos, lead, VOCs, PCBs, etc); hazardous materials abatement design; hazardous materials (asbestos, lead) building materials management; environmental field sampling and analysis and phase I environmental site assessments.

Thank you for considering our firm to provide services for the Department of Human Services.

Sincerely,

Mark T. Muranaka  
President  
Email: mark.m@muranakaenvironmental.com



**MURANAKA ENVIRONMENTAL  
CONSULTANTS, INC.**

**STATEMENT OF QUALIFICATIONS**

P.O. BOX 4341  
HONOLULU, HAWAII 96812-4341

TEL: (808) 845-8822  
FAX: (808) 845-8823

2023

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## A. DESCRIPTION OF THE FIRM

**Name of firm:**

Muranaka Environmental Consultants, Inc.

**Contact Information:**

Mark T. Muranaka, President

Office Phone: 808 845-8822

Email address: [mark.m@muranakaenvironmental.com](mailto:mark.m@muranakaenvironmental.com)

**Principal place of business:**

401 Waiakamilo Road, Suite 101A

Honolulu, HI 96817

**Age of Firm:**

Thirty Five Years (35)

Established in 1989

**Average number of employees over the past five years:**

Six (6)

Muranaka Environmental Consultants, Inc. (MEC) is an interdisciplinary, environmental consulting firm. Since 1989, MEC has provided the Hawaii business community, federal, state, city and county agencies with professional consulting services.

MEC has comprehensive project experience and has provided both technical and management support for a variety of projects, including accredited asbestos and lead paint training; indoor air quality assessments, asbestos and lead abatement design; environmental assessments; asbestos building materials management; lead-containing paint management, industrial hygiene studies; and environmental field sampling and analysis.

We offer a valuable consulting alternative for organizations concerned about cost-effectiveness. MEC delivers personal service at competitive rates, while maintaining a high degree of confidentiality and integrity in all the services that it provides. The high quality of our services is a result of combined knowledge and awareness in the industrial hygiene and environmental fields. We provide expert consultation on a case-by-case basis, alleviating clients of the burden of in-house expenditure for conducting research in a relatively specialized field.

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## B. TECHNICAL SERVICES

### 1. Environmental Related Services

Our comprehensive environmental services include the recognition, evaluation, and control of environmental hazards, including water sampling, underground storage tank removal assessments, Phase I and II Environmental Site Assessments (ESA), HUD lead soil risk assessments and Chemical soil analysis.

Our phase I ESAs are conducted in accordance with the latest ASTM E1527 standard and that of which is in compliance with the EPA's 40 CFR 312 All Appropriate Inquiries) AAI rule. All of our Phase I ESAs are conducted by an Environmental Professional.

Our phase II ESAs are conducted in accordance with the latest ASTM E1903 standard. All of our Phase II ESAs are conducted by an Environmental Professional.

### 2. Industrial Hygiene

Our industrial hygiene services include the recognition, evaluation, and control of occupational hazards, including those with exposure to lead, asbestos, toxic gases, organic chemicals, petroleum products, noise, dusts, metals, mold, and pesticides. Our measurement techniques include traditional air sampling; passive vapor detection; and laboratory analyses. Our additional expertise is in the areas of, indoor air quality, respiratory protection, hazard communication, and confined-space entry.

### 3. Asbestos Related Services

Our expert knowledge of the local and national regulatory climate has enabled us to successfully guide clients through a maze of requirements. Our scope of services include providing building surveys to identify, locate and quantify the amount of asbestos present; provide cost projections; prepare specifications and architectural plans for removal; solicit bids from reputable asbestos abatement contractors; and act as the owner's agent during removal. We also produce, manage, and conduct training for operations and maintenance plans for asbestos that is left in-place.

Within the last 31 years MEC has conducted over 13,000 asbestos surveys and asbestos administration projects. Our inspectors have attended and passed EPA accredited Asbestos Hazard and Emergency Response Act (AHERA) training classes including AHERA Inspector, Contractor/Supervisor, Management Planner, and Project Designer courses.

For the past 30 years we have also provided the Hawaii community with EPA accredited AHERA training courses, including Worker, Contractor/Supervisor, Inspector/Management Planner, Project Designer, Project Monitor and all the annual refresher courses. Our asbestos courses also include Maintenance Worker and Housekeeping Worker training.

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#### 4. Lead-Based Paint Related Services

For the past 30 years, MEC has been involved in lead inspection, abatement design and monitoring for a variety of clients, including the State of Hawaii, the City & County of Honolulu, and County of Hawaii. We have conducted numerous on-site building surveys, historical preservation, and lead abatement protocols for building owners, architects, the State of Hawaii, the U.S. Navy, U.S. Army Corps of Engineers, and the U.S. Marine Corp.

During the past 30 years, MEC has conducted over 10,000 lead surveys, 9,000 lead-in-air monitoring projects, and 9,000 lead abatement design projects. Our staff is currently EPA certified in lead design, lead abatement contractor/supervisor, and lead inspector/risk assessor.

For the past 30 years we have also provided the Hawaii community with EPA accredited Lead training courses, including Worker, Contractor/Supervisor, Inspector/Risk Assessor, Project Designer, Project Monitor, Lead RRP and all the annual refresher courses. Our lead courses also include Maintenance Worker and Housekeeping Worker training.

#### 5. Mold Related Services

MEC has been conducting mold investigation and consultative services for the past 29 years. Services include visual inspections, bulk sample collections, air sampling, analyses, and remediation design.

#### 6. Air Monitoring

MEC's highly experienced and trained professionals provide clients with air monitoring services in the following areas: asbestos removal projects; lead-based paint removal projects; indoor air quality studies; microbial studies; respirable and non-respirable dust studies; and other studies, which require air monitoring for various toxic and hazardous materials. As a result of constant changes in government regulations and technologies, our in-house standard operating procedures are reviewed and modified on a regular basis. This ensures that our clients receive the most current methods for air sampling procedures.

#### 7. Design, Specification Writing, and Plan Preparation

MEC has extensive experience in providing facility owners with hazardous materials abatement procedures. Hazardous materials mitigation procedures include: asbestos abatement; lead-based paint treatment and/or removal; PCB cleanup and removal; underground storage tank removal; underground storage tank closure in-place; chemical clean up; and petroleum contaminated soil and groundwater remediation.

#### 8. Construction Site Safety and Health

MEC is the premier company in the state of Hawaii for managing construction site safety and health. Our experience in evaluating clients' needs and communicating with regulators sets a precedence for other companies in our industry in Hawaii. Experienced professionals possessing extensive federal

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occupational safety and health experience, plan and conduct cost-effective programs, which assure employee safety and health within the context of a common sense approach.

9. Training

MEC offers a wide range of progressive training courses. We are EPA and State of Hawaii approved to accredit persons in the areas of asbestos abatement worker, contractor/supervisor, project monitor, designer, inspector, management planner and project monitor. Our lead training classes are based on the EPA Model Accreditation Course Curriculum for Lead and are recognized as an accredited EPA training provider for lead.

We currently offer the following training courses:

- EPA accredited Asbestos Hazard and Emergency Response Act (AHERA) courses: Inspector; Management Planner; Contractor/Supervisor; Worker; Project Designer; Project Monitor and all respective refreshers.
- Asbestos Hazard Awareness.
- Asbestos Maintenance Worker.
- Lead, Renovation Repair and Painting 8 hour initial and refresher course.
- EPA Model Accreditation Course Curriculum for Lead-based Paint: Inspector; Technician; Abatement Supervisors; Abatement Workers; Risk Assessor; Project Designer, and all respective refreshers.
- Lead-Containing Paint hazard awareness.
- Lead Renovation, Repair and Painting Initial and Refresher
- Lead-In-Construction
- 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER), 24-hour HAZWOPER Supervisor, and refreshers.
- Hydrogen Sulfide Awareness
- Mold Sampling and Awareness
- Hazcom Awareness
- Arsenic, Chlordane, Mercury, Forklift, Blood Pathogens Awareness

We can tailor the training classes to your OSHA compliance needs and come to your site to conduct the training.

**SECTION C**

**RESUMES**  
**OF**  
**PRINCIPAL STAFF**

**MARK T. MURANAKA**  
**President**

Mr. Muranaka has over 39 years of experience in all aspects of asbestos, lead-based paint, polychlorinated biphenyl (PCB), and underground storage tank (UST) management, as well as hazardous materials surveys, analyses, and removal design. He has managed and designed numerous projects for the City and County of Honolulu, the State of Hawaii, the Hawaii Housing Authority, the U.S. Army Corps of Engineers, the U.S. Navy, the U.S. Air Force, and Hawaii's commercial business sector. His additional experience in conducting indoor air quality studies; environmental property audits, hazardous waste site assessments; subsurface soil and water investigations; and providing industrial hygiene training courses, serves as an invaluable tool for MEC's clients.

**EDUCATION**

Master of Public Health, Industrial Hygiene, University of South Carolina, School of Public Health, Columbia, South Carolina, 1989.

Master of Science, Environmental Health, University of Massachusetts, School of Public Health, Massachusetts, 1985.

Bachelor of Arts, Zoology, University of Hawaii, Honolulu, Hawaii, 1978.

**EXPERIENCE**

**President/CEO, Muranaka Environmental Consultants, Inc., Honolulu, Hawaii, 1989 to present.**

Mr. Muranaka administers the operations of MEC and provides clients with industrial hygiene, environmental, toxicological, occupational health and safety consultation. He is also the principal trainer for all accredited and non accredited training that MEC provides to the public and private sectors.

**CERTIFICATIONS AND ACCREDITATIONS**

- ☐ Certified Asbestos Consultant, State of California, [2002 to present](#).
- ☐ Certified Asbestos Project Designer, State of Hawaii, [2001 to present](#).
- ☐ Certified Asbestos Inspector/Management Planner, State of Hawaii, [2001 to present](#).
- ☐ Certified Asbestos Contractor/Supervisor, State of Hawaii, [2001 to present](#).
- ☐ Certified Asbestos Project Monitor, State of Hawaii, [2001 to present](#).
- ☐ Certified EPA Lead-based Paint Abatement Project Designer State of Hawaii and Guam, [2000 to present](#).
- ☐ Certified EPA Lead-based Paint Abatement Contractor/Supervisor State of Hawaii and Guam, [2000 to present](#).
- ☐ Certified EPA Lead-based Paint Inspector/Risk Assessor State of Hawaii and Guam, [2000 to present](#).
- ☐ Certified Inspector/Assessor, State of California, Department of Health Services, Lead-Related Construction Certificate, [1999 to 2022](#).
- ☐ Certified Supervisor, State of California, Department of Health Services, Lead-Related Construction Certificate, [1999 to 2022](#).
- ☐ Certified Project Designer, State of California, Department of Health Services, Lead-Related Construction Certificate, [1999 to 2022](#).
- ☐ Accredited AHERA Abatement Project Designer, [1990 to present](#).

- Accredited AHERA Asbestos Building Inspector/Management Planner, 1989 to present.
- Accredited AHERA Asbestos Abatement Project Supervisor, 1986 to present.
- Certified Environmental Specialist, Environmental Assessment Association, 1995.
- Certified Environmental Inspector, Environmental Assessment Association, 1995.

**Kyle Y. Tanaka**  
**Project Supervisor**

P.O. Box 4341  
Honolulu, HI 96812 US  
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kyle@muranakaenvironmental.com

**State of Hawaii Certifications**

Asbestos Inspector, Management Planner, Contractor/Supervisor, Project Designer, and Project Monitor.

Lead-Based Paint Activities Risk Assessor and Project Designer.

**Experience:**

Hazardous Materials Surveys

- Asbestos-containing materials (ACM) sampling
- Lead-containing/based paint (LCP/LBP) sampling
- Lead Dust Sampling
- Materials containing arsenic
- PCB-containing light ballasts
- Mercury-containing lamps

LBP Inspections/Risk Assessments (XRF analyzer)

Soil and Groundwater Surveys

Project Design & Specifications

Air Monitoring & Clearance Testing

- Phase contrast microscopy (PCM) personal/areas air monitoring and clearances
- Transmission electron microscopy (TEM) air clearances
- Lead-in-air
- Lead dust wipe clearances
- Arsenic-in-air
- Pesticides-in-air

Mold Surveys

- Culturable and nonculturable air sampling
- Surface tape-lift sampling

Employment History

Muranaka Environmental Consultants, Inc., Honolulu, Hawaii

Project Manager: 01/2017 to present

Environmental Specialist/Project Manager: 08/2000 to 08/2003

**SECTION D**  
**PROJECT EXPERIENCE**

The following projects represent a cross section of MEC's experience.

**Phase I – Environmental Site Assessments**

Listed below are examples of typical Phase I Environmental Site Assessments (ESA) Muranaka Environmental Consultants (MEC) conducted within the past 2 years. This list is not comprehensive.

The purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. § 9601) and petroleum products.

The goal of this practice is to identify recognized environmental conditions through a physical site visit and review of historical records. No sampling is involved in this phase.

All the Phase I ESAs MEC conducted were in accordance with the latest American Society of Testing and Materials (ASTM) Standard practice E1527 entitled, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process".

MEC No. 2023-0036  
949 Luehu Street  
Pearl City, HI 96782  
Completion Date: February, 2023

MEC No. 2023-0104  
1723 Silva Street  
Honolulu, HI 96819  
Completion Date: April, 2023

MEC No. 2022-0127  
64-871 Mamalahoa Hwy  
Waimea, HI 96743  
Completion Date: June, 2022

MEC No. 2022-0114  
Natural Energy Labs  
Keahole Point Fisheries Lot E  
Kona, Hawaii  
Completion Date: May, 2022

MEC No. 2022-0052  
Waiakea Industrial Park  
203 Kekuananoa Street  
Hilo, HI 96720  
Completion Date: March, 2022

MEC No. 2022-0051  
91-1651 Franklin D. Roosevelt Ave  
Kapolei, HI 96707  
Completion Date: February, 2022

MEC No. 2022-0042  
Na Lama Kukui  
560 N. Nimitz Highway  
Honolulu, HI 96817  
Completion Date: February, 2022

MEC No. 2022-0033  
Mililani Shopping Center  
95-221 Kipapa Drive  
Mililani, HI 96789  
Completion Date: November, 2021

MEC No. 2021-0185  
501 Sumner Street  
Completion Date: August 2021

MEC No. 2021-0184  
500 North Nimitz Highway  
Honolulu, HI 96817  
Completion Date: August, 2021

MEC No. 2021-0056  
3614 Kilauea Ave  
Honolulu, HI 96816  
Completion Date: March 2021

### **Site Assessments**

Listed below are examples of typical Site Assessments Muranaka Environmental Consultants (MEC) conducted within the past 2 years. This list is not comprehensive.

The goal of this practice is to confirm recognized environmental conditions identified in the phase I ESA or to conduct a baseline soil and/or ground water study to identify common or potential contaminants that may impact a pending construction activity.

### **Police Training Academy District 3, Temporary Facility, Waipahu, Oahu, Hawaii 2022-0150**

The City planned to construct a parking lot and building on the existing Honolulu Police Academy property in Waipahu. MEC's scope of work was to provide a soil study in both locations to identify any contaminated soil prior to the construction activities. MEC's baseline soil study plan was prepared in accordance with the

Hawaii Department of Health's Technical Guidance Manual. Technical specifications were then prepared for bidding purposes.

Completion Date: June, 2022, Currently in progress  
Client Contact: Lloyd Higa  
Yamasato, Higa Architecture and Planning Inc.

### **Honolulu Police Department and Honolulu Fire Department Rotor Wing Facility Kapalulu Place, Honolulu, Hawaii Soil and Groundwater Baseline Study**

City planned to demolish and rebuild all structures that currently house the Honolulu Police Department and Honolulu Fire Department's helicopter facility.

After a phase I ESA was conducted by others, the City requested MEC to conduct a baseline survey of the property to determine if the existing soil and groundwater on the property was contaminated with chemicals identified as potential sources of contamination in the phase I ESA. The sampling plan was prepared in accordance with the Hawaii Department of Health's Technical Guidance Manual.

MEC collected subsurface soil and ground water samples and analyzed for the following constituents: Total petroleum hydrocarbons (gas, diesel, oil), Benzene, Toluene, Ethyl Benzene, Xylene, lead cadmium, chromium, Polyaromatic hydrocarbons (PAHs). Thirty (30) incremental borings were installed where soil samples were collected in each boring and composited into one sample (incremental sampling) in addition to two replicates.

Completion Date: January 2021. 2017-0102  
Client Contact: Dennis Kodama  
City and County of Honolulu, Department of Design and Construction

## **INDUSTRIAL HYGIENE PROJECTS**

### **Waiakea Research Station, Hilo Hawaii**

The University planned to demolish 38 structures on the property. MEC's scope of work was to inspect and analyze the structures and surrounding soils for hazardous materials such as asbestos, lead, arsenic and other constituents that may impact the demolition process.

Completion Date: 2023, ongoing  
Client Contact: Kevin Funasaki  
Bowers and Kubota

### **Hawaii Job Corps Center, Makawao, Maui, Hawaii**

MEC's scope of work was to inspect the grounds and buildings of the Job Corps Center to ensure the Center was in compliance with various OSHA and other government codes and standards such as general condition of the structures,

foods were handled properly, hygiene conditions in the dormitories and restrooms, etc.

Completion Date: 2023-ongoing  
Client Contact: Karlene Allen  
MTC

### **Holmes Hall Renovations, UH Manoa, Honolulu, Hawaii**

UHM planned to renovate 20 classrooms in Holmes Hall on the Manoa Campus. MEC's scope of work was to survey the rooms for hazardous materials such as asbestos, lead paint. In addition, MEC inspected fluorescent light fixtures for PCB ballasts and provided technical specifications for bidding.

Completion Date: 2023, ongoing  
Client Contact: Kevin Funasaki  
Bowers and Kubota

### **Honolulu Community College, Building 8817, Room 1**

MEC's scope of work was to inspect and collect samples and have analyzed area where mold growth were identified.

Completion Date: March, 2023  
Client Contact: David Tanaka  
Honolulu Community College

### **Demolition Survey of Seven Homes, Hilo, Hawaii**

Seven single family homes were scheduled for demolition in the Hilo area of Hawaii. MEC inspected and collected samples to verify content of lead-based paint, asbestos-containing materials, arsenic-containing canec board and other hazardous materials that may impact the demolition process.

Completion Date: May, 2022  
Client Contact: Roy Irei  
Hawaii Engineering Group, Inc.

### **Hawaii Water Infrastructure Improvements for the Nation (WIIN) Act of 2016, 106 Elementary Schools, 200 child care facilities throughout the State of Hawaii.**

TruePani Inc. subcontracted, Muranaka Environmental Consultants, Inc., to inspect, collect and document water samples in over 106 elementary schools and over 200 licensed residential and non-residential childcare facilities throughout the state of Hawaii. This project was conducted in conjunction with The State Department of Health (DOH) and for the Hawaii Water Infrastructure Improvements for the Nation (WIIN) Act of 2016 project to test drinking water for lead at selected elementary schools and licensed residential and non-residential childcare facilities (CCFs).

Scope of work was to identify the source and location of water that entered the building, determine the number of drinking water sources, then collect and analyze the drinking water for lead.

Completion Date: January, 2022

Client Contact: Sam Becker, Shannon Evanchec  
Truepani, Inc.

### **Makiki Fire Station Improvement to Kitchen Area**

City planned to remove existing interior plaster ceiling mounted light fixtures and to replace existing wood framed trusses and metal roof deck.

Muranaka Environmental Consultants, Inc's (MEC) scope of work was to conduct a hazardous materials survey which included asbestos, lead paint, arsenic, mercury lamps, PCB ballasts in the area of disturbance during construction.

Upon completion of the survey, MEC prepared technical specifications for the removal of lead paint and asbestos-containing materials and reviewed contractor's work plans.

Completion Date: 2022, ongoing

Client Contact: Bonnie Tung  
City & County of Honolulu, Department of Design and Construction

## CLIENT REFERENCES

- Kevin Funasaki  
Bowers and Kubota  
Email: [kfunasaki@bowersand Kubota.com](mailto:kfunasaki@bowersand Kubota.com)  
Phone no. 808-836-7787
- William Froelich  
Colliers International  
Email: [william.froelich@colliers.com](mailto:william.froelich@colliers.com)  
Phone no. 808-523-9711
- Mark Hashem  
Sofos Realty  
Email: [mhashem@sofosrealty.com](mailto:mhashem@sofosrealty.com)  
Phone no. 808-522-5999
- Catie Collison  
PBR Hawaii  
Email: [ccullison@pbrhawaii.com](mailto:ccullison@pbrhawaii.com)  
Phone no. 808-521-1531
- Lloyd Higa  
Yamasato, Higa Architecture and Planning Inc.  
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Phone no. 808-531-8825