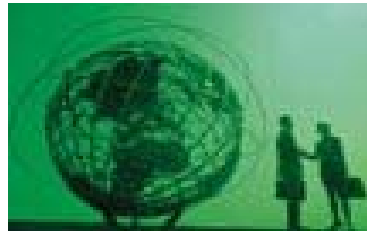


*Appendix E*  
*Professional Profiles*

# William G. Cutler, RG

Project Manager



Mr. William Cutler is a consultant within ERM based in Honolulu, Hawaii, and has 23 years of experience in the fields of geology, environmental site assessment and remediation. He is well-versed in managing all aspects of remediation projects including strategy development, study, design, technology assessments, senior management communications, agency communications, consulting/contracting services, field implementation, community relations, government affairs and financial control. He has managed complex remediation projects in excess of \$50 million.

Mr. Cutler's areas of expertise include Brownfields redevelopment in support of property divestitures; site assessments and investigations; development of sampling plans; geophysical surveys; remedial technology assessments and the application of risk-based approaches. He has designed and managed site remediation projects under federal Superfund, RCRA Corrective Action, and state programs. Remedies employed range from simple soil removals to complex treatment systems for soil, ground water, free product and waste materials. Mr. Cutler is very experienced at community and regulatory interface, and often functions as the link between the scientific/technical team and other non-technical stakeholders.

## Registration

- Registered Geologist, California (No. 4467)

## Fields of Competence

- Brownfields redevelopment/property divestiture
- Site investigations
- Design and implementation of sampling programs
- Remedial evaluation, design, and implementation
- Cost-effective, risk-based cleanups
- Regulatory agency interface and negotiations
- Public and stakeholder communications
- Project and financial management
- Risk management approaches for impaired sites

## Education

- Ph.D. Candidate, Geology and Geophysics, University of Hawaii at Manoa, current
- M.S., Geology and Geophysics, University of Calgary, Alberta, Canada, 1982
- B.S., Geological Sciences, University of Michigan, 1980

## Key Projects

Currently managing Brownfields Inventory and Assessment Program for County of Hawaii. Responsible for project resourcing, budget and cost control, and quality assurance of technical deliverables.

Providing W.H. Shipman, Ltd. with innovative studies and evaluation of remedial alternatives to facilitate a planned property transaction and development of the "Hotel Site" in Kea'au, Hawaii. The site has high levels of arsenic due to former sugar cane pesticide use. However, risk assessment utilizing the "bioavailable" fraction of arsenic led to reduced potential site risks and minimized scale of remedial actions to address arsenic soils. Site is being remediated under the Hawaii Voluntary Response Program with oversight by HDOH HEER office.

Project Manager of hazardous materials assessment and abatement projects at the closed Lihue and Kekaha Sugar Mills on the island of Kauai, on behalf of the current property owner. These closed mills are classic Brownfields sites, with abandoned buildings and soil impacts from historic operations. Future redevelopment potential of the properties is integral to site assessment and future planning.

Supporting responsible party in soil investigations, bioavailability studies, and design concepts for an on-site containment remedy for former herbicide mixing plant at former Ka'u Agribusiness Sugar Mill in Pahala, impacted by historical pesticide releases. Project is on Kamehameha Schools lands with HDOH HEER office regulatory oversight.

Technical and strategic advisor for the FMC Fresno Site, a complex Brownfields remediation project at a discontinued pesticide manufacturing facility with impacts to the municipal drinking water aquifer. Complex interplay between several responsible parties demands experienced strategic thinking to solve disputes. Off-site groundwater extraction system has been designed and installed by ERM, and became fully operational in August 2005. Currently optimizing extraction system using numerical groundwater modeling.

Managed the Avtex Fibers Superfund Site for FMC Corporation. Site is undergoing Brownfields redevelopment, with total remediation cost of \$100 million. High-profile site was initial pilot project in USEPA's Redeveloping Superfund Sites Initiative. Former rayon manufacturing plant on bank of Shenandoah River is undergoing building decontamination and hazardous materials abatement, 120 acres of waste impoundment closures, soil stabilization and treatment, fractured bedrock aquifer remediation, and various waste treatment alternatives. Significant public visibility and community activism. Currently leading remedy selection process for viscose basins and ground water, estimated at \$25 to \$30 million in cost.

Technical advisor for innovative in situ chemical oxidation pilot test of FMC Klorur™ persulfate at former FMC East Plant in South Charleston, WV. Significant carbon tetrachloride at West Virginia's first Brownfields cleanup under the WV Voluntary Cleanup Program. Portions of site contaminated with VOCs and metals were cleaned up, sold, and redeveloped by automotive dealerships.

Project Manager for cleanup of the Ralph Crego Park in Lansing, MI, where industrial waste dumping impacted 40 acres of pristine recreational park and wetlands. Utilized mineral speciation and in-vitro bioaccessibility studies to formulate a final cleanup standard for arsenic. Removed in excess of 200,000 cubic yards of impacted soils and waste material, and restored Park for unrestricted public use.

Developed remediation strategies for cleanup of lead arsenate and organochlorine pesticide impacts at a former agricultural chemical formulating plant in Harlingen, Texas. Final remedies accounted for limited arsenic bioaccessibility and natural attenuation of pesticides in groundwater.

Provided program management of San Jose area remediation work during closure of United Defense military tracked vehicle manufacturing facilities. Projects totaling \$60 million conducted under Orders with California EPA. Sites impacted by chlorinated solvents and heavy metals. Soil and ground water remediation systems designed and installed (dual-phase extraction and bioaugmentation), most sites completed, divested and commercially redeveloped.

Provided support to elemental phosphorus plant environmental staff on slag management and wastewater treatment of calciner and phosphy water. Conducted technical and financial analysis of remediation costs for closing facility. Provided strategic advise on redevelopment planning for property owner, dealing with local community and tribal stakeholders.

RCRA Corrective Action project involved site investigation of waste management units, and soil and ground water impacts by phenol and PAHs. Monitored natural attenuation remedy for phenol plume, ecological risk assessments for PAHs in soil.

Managed \$20 million Mout Industries Superfund Site remediation of hexavalent chromium at site along banks of Yellowstone River. Ex situ soil stabilization/solidification and on-site/off-site waste disposition. Demonstrated and negotiated natural attenuation remedy for hexavalent chromium ground water plume. Ecological and human health risk assessments guided reasonable remedy outcomes.

Conducted investigation and remediation at operating lithium manufacturing facility. Challenges included identification and removal of more than 1,000 buried drums containing chlorinated solvents (PCE, TCE) beneath tailings landfills. Significant ground water issues related to chlorinated solvents, including DNAPL. Designed and installed innovative "passive" SVE system.

Managed the design, installation and closure of two sites impacted by PCE/TCE and diesel fuel. Utilized multi-level air sparge and SVE technology to achieve clean closure results in less than 3 months of system operations.

Conducted investigation of at 40-acre Dow Chemical Bay City petrochemical feedstock terminal. Used cone penetrometer, downhole and surface geophysics, and mobile lab for investigation. Supported design and installation of ground water interceptor system for LNAPL and impacted groundwater.

Conducted technology pilot test for LNAPL source removal at natural gas compressor station, in conjunction with Dow Chemical Corporate Research and Development scientists. Technologies focused on bioaugmentation via air sparging and nutrient amendments.

Designed and supported field investigations of ground water impacts at the International Terminals, Inc. chemical tank farm along banks of Saginaw River. Installed pump and treat system for containment and remediation of chlorinated solvent ground water contamination. Developed cost-effective hydraulic monitoring program to ensure protection of adjacent surface waters.

Conducted investigations and supported remedial design/remedial action on numerous known or suspected brine spill sites. Significant surface and downhole geophysical work aided identification of brine materials. Used MODFLOW to support design of brine spill recovery systems.

### **Publications and Presentations**

- Cutler, W.G. et al. 2006. Remedial Alternatives for Bioaccessible Arsenic in Hawaii Soils, AEHS West Coast Soils Conference, San Diego, CA, March 2006 (abstract & platform, accepted).
- Block, P. and Cutler, W. 2005. Kloxur™ Activated Persulfate for Site Remediation: Comparative Modeling of Treatment Efficacy and Cost. 4<sup>th</sup> Int'l Conference on Oxidation and Reduction Technologies of In-situ Treatment of Soil and Groundwater, Chicago, IL, October 2005 (paper & platform).
- Cutler, W.G. and Estep, J. 2005. Power County Idaho, Building the Future from the Past, Problem Properties Workshop. National Assoc. of Counties Annual Conference, Honolulu, HI, July 2005 (oral presentation and panel member).
- Cutler, W.G. and Hazard, J. 2005. Integrated CERCLA Cleanup and Non-CERCLA Abatement and Demolition. Joint Services Environmental Management Conference, San Antonio, TX, April 2005 (abstract & poster).
- Cutler, W., et al, 2005. Use of CPT/MIPS to Determine Optimal ISCO Injection Zones, 15<sup>th</sup> Annual AEHS Conference on Soils, Sediments and Water. San Diego, CA, March 2005 (abstract & poster).
- Root, D K., Block, P.A., Cutler, W.G., 2005. Investigation of Chlorinated Methanes Treatability Using Sodium Persulfate, First International Conference on Environmental Science & Technology, Jan 24, 2005 (abstract & platform)

### **Publications and Presentations (continued)**

- Erbe, M, Keating, R., Travers, C., Norman, L., Cutler, W., and Martin, T. 2004. Assessing the Role of Structural Geologic Elements in Aquifer Hydraulics and Plume Migration. EPA/NGWA Fractured Rock Conference, Portland, ME, September 2004 (paper & platform).
- Bott, C., Koon, J., Brooks, P., Rich, P, Martin, T., Bement, D., and Cutler, W., 2002. Physiochemical and Biological Treatment of a Concentrated Industrial Leachate from Aged Process Waste at a Viscose Rayon Production Facility. Proceedings of WEFTEC annual meeting, October 2002 (abstract & platform).
- Cutler, W., 2002. Integrating Land Use into the Remedy Selection Process/ Setting Up the Redevelopment. Redeveloping Superfund Sites, Working with Responsible Parties, EPA Region 6 Workshop, Houston, TX, June 2002 (oral presentation and panel member).
- Cutler, W., 2002. Working with PRPs. U.S. EPA National Superfund Redevelopment Pilot Conference. Dallas, TX, April 2002 (oral presentation and panel member).
- Venkatakrishnan, R., Cutler, W and Travers, C., 2001. Borehole Geophysics and Development of a Conceptual Hydrogeological Model: Case Study of Plume Migration in Martinsburg Shale at the Avtex Fibers Superfund Site, Geological Society of America annual meeting, Boston, MA, November 2001 (abstract & platform).
- Brooks, P., Koon, J., Bement D., and Cutler, W., 2001. Innovative Treatment of Landfill Leachate at the Avtex Superfund Site, Environment Virginia Annual Conference, Lexington, VA, April 2001 (abstract & platform).
- Travers, C., Martin, T., Ruby, M., Cutler, W., Keating, R., 2001. Geologic Controls on DAPL Migration in a Fractured Bedrock System: Avtex Fibers Superfund Site, Part I, Fractured Rock 2001, Toronto, ON, March 2001 (abstract & poster).
- Martin, T., Travers, C., Ruby, M., Cutler, W., Keating, R., 2001. Fate and Remediation Alternatives for DAPL in Fractured Bedrock System: Avtex Fibers Superfund Site, Part II, Fractured Rock 2001, Toronto, ON, March, 2001 (abstract & poster).
- Zahir, Z., Bensch, J., Cutler, W., 1999. Enhanced Soil Vapor Extraction for Source Area Remediation Using Dual-Phase Extraction with Pneumatic Fracturing, Contaminated Soils, Volume 4, Amherst Scientific Publishers, Amherst, MA, 1999.

# Marcelino “Achie” Reyes



Marcelino U. Reyes has more than seven years of environmental consulting and 26 years of engineering experience. Mr. Reyes has served as a Project Manager for both government and private clients. His expertise includes environmental assessment and site investigation (phase I and II ESAs), air quality monitoring, environmental impact studies, bio-remediation, soil vapor extraction, ground water sampling, management of soil remedial excavation and disposal. He also served as the Project Engineer for the Brownfield program for the counties of Kauai and Hawaii.

Mr. Reyes has managed and conducted several environmental site assessment and compliance work with the U.S. Air Force, the Navy, and the U.S. Army Corps of Engineers. He served as a data quality and validation manager and coordinated with the Air Force Center for Environmental Excellence (AFCEE) on data submission and validation from 2000 to 2005. He has collaborated with the Hazard Evaluation and Emergency Response Office of the Hawaii Department of Health (HDOH) to oversee several EPA funded project. He has served as a quality assurance and quality control officer as well as health and safety officer during the conduct of these projects.

Mr. Reyes has an in-depth knowledge of the requirements for the American Society for Testing and Materials (ASTM) Standard E-1527-00 or the Standard Practice for Environmental Site Assessment Process. He has served as an overall Field Coordinator managing several subcontractors at a time to ensure timely completion of project tasks and as an On-site Health and Safety Officer in several field sampling and site investigation activities.

## Professional Affiliations & Registrations

- Registered Environmental Assessor (State of California Reg. No. 08283)
- AHERA Asbestos Inspector Certified (State of Hawaii Cert. No. HIASB-0895)
- EPA certified Universal-type refrigeration technician
- Licensed Professional Engineer (Philippines)

## Fields of Competence

- Phase I and II environmental site assessments (ESAs)
- Air quality permitting and compliance
- Air quality impact studies
- Data Validation and management
- Hazardous material management
- Remedial investigation/feasibility studies (RI/FS)
- Engineering Evaluation/cost analysis (EE/CA)

## Education

- M.S., Bio-systems Engineering, University of Hawaii at Manoa, 1994
- B.S., Agricultural Engineering, University of the Philippines, 1981
- 40-Hour HAZWOPER Training
- 40-Hour AHERA Asbestos Contractor/Supervisor Initial Training
- Data Validation and Quality Assurance Program
- DQO Implementation Program (Short Course)
- Human Health and Risk Assessment (Short Course)
- Environmental Decision Making (Short Course)
- Environmental Forensic (Short Course)
- 40-Hour AutoCAD Training Program

## Languages

- Tagalog (native)
- English (good)

## Professional Affiliations

- Society of American Military Engineers

- Filipino American League of Engineers and Architects

## **Key Projects**

### **Brownfields Program, Site Assessment Study (Phase I and II ESAs, Department of Economic Development, County of Kauai, Hawaii, 2006**

Project Engineer for a multi-year contract to conduct site assessment of potentially contaminated and under utilized commercial and industrial sites (Brownfields sites) for the County of Kauai in collaboration with the Hawaii Department of Health (HDOH) Hazard Evaluation and Emergency Response Office (HEER) under the U.S. EPA Region 9 grant.

**Environmental Site Audit – First Farmers Holding Corporation. Lihue Power Plant Salvage Opeartion, 2006/07** – Conducted a monthly on-site environmental compliance audit during demolition and salvage operation at the former Lihue Plantation Power plant. Work includes audit of universal and hazardous material handling, storage and disposal. Conduct an initial site characterization baseline survey of the site prior to the start of the demolition work. Review the health and safety plan and provide guidance on implementation.

**Asbestos Survey and Cost Estimation, Kekaha Sugar Mill and Lihue Plantation Sugar Mill, Lihue, HI** – Conducted asbestos survey at the Kekaha and Lihue sugar mill on the island of Kauai. Provided a cost estimate on the abatement and disposal of all asbestos containing materials.

### **Brownfields Program, Site Assessment Study (Phase I and II ESAs, Department of Environmental Management, County of Hawaii, HI, 2006**

Project Engineer for a multi-year contract to conduct site assessment of potentially contaminated and under utilized commercial and industrial sites (Brownfields sites) for the County of Hawaii in collaboration with the Hawaii Department of Health (HDOH) Hazard Evaluation and Emergency Response Office (HEER) under the U.S. EPA Region 9 grant.

### **Environmental Site Assessment - Phase I, Pearl Highland Shopping Center, Honolulu, Hawaii, 2006.**

Served as a Project Manager for the conduct nad preparation of a Phase I environmental site assessment of the Pearl Highland Shopping Center. The study involved literature search on transfer of ownership and utilization of the project site and the adjacent property. Work also included record search of spill and leakage of underground storage tank and audit of hazardous

chemicals at the project site. Result of the study was used as one of the benchmark for the procurement of the shopping center by AEW Capital Management, LLC.

### **Phase II Site Investigation at the Proposed Kapaa Fire Station, Kauai, HI. Yamasato, Fujiwara, Higa and Associates, Inc., 2006**

Project Engineer responsible for conducting a phase II site investigation at a former waste water treatment settling ponds for the Mahelona Memorial Hospital. Prepared workplan, field sampling and analytical plan as well as health and safety plan for the field investigation. Coordinated field activities with the landowners, subcontractors and the Kauai County Department of Public Works.

### **Phase I and II ESA, Kunia Agricultural Land, Monsanto Company, Inc., 2006**

Conducted environmental site assessment and site investigation study on a 2,300 acre of former pineapple and sugarcane agricultural land to determine potentially environmental hazard at the site.

### **Preliminary Assessment and Site Investigation, Department of Health, Hazard Evaluation and Emergency Response (HEER) Office, Hawaii, 2004**

Conducted site investigation study on potentially impacted sites under the HDOH preliminary assessment and site investigation program. Sites includes former sugar mills and landfills in Kauai, Oahu, and Hawaii.

### **Environmental Assessment Study - Phase I, Hilo Coast Power Plant, Hawaii, 2003.**

Served as a Project Manager for the preparation of a Phase I environmental assessment of the coal operated power plant. The study involved literature search on transfer of ownership and utilization of the project site and the adjacent property. Work also included record search of spill and leakage of underground storage tank and audit of hazardous chemicals at the project site.

### **Fuel Spill Remediation - United Airlines, Honolulu International Airport, Honolulu, Hawaii, 2006**

Served as the project manager in the clean up remediation of a diesel spill at the United Airlines Cargo Facility (Honolulu International Airport). The work involved coordinating with the Hawaii Department of Health and the Hawaii Department of Transportation on the appropriate cleanup procedure and regulatory requirements.



**Environmental Assessment Study – Phase I, American Stand Café, Honolulu, Hawaii, 2003.**

Project Manager for the preparation of a Phase I environmental assessment of the site. The study involved literature search on transfer of ownership and utilization of the project site.

**Environmental Assessment Study - Phase I, Seaside Hotel, Honolulu, Hawaii, 2005** - Conducted a re-assessment of Phase I ESA of the Seaside Hotel located in Waikiki. Work includes updating of the health and safety plan, emergency response plan, hazardous material handling, and spill prevention plan for the hotel.

**Environmental Assessment and Site Investigation. Waiahole Beach Park, Phase I and II, City and County of Honolulu, 2002.**

Project Manager for a Phase I and Phase II site investigation of a possible extension to the public park for the City and County of Honolulu.

**Hazardous Material Compliance Audit – Confidential Client. Northern California, 2005/06** – Conducted a monthly on-site compliance audit of fourteen stores in Southern California to ensure compliance with the California Department of Toxic Substance Control regulations. Work includes audit of universal and hazardous material handling, storage and disposal. Review store documents and coordinated with the store District Safety Managers on the how to improve the handling of hazardous and universal waste generated by the store.

**Arsenic Bioaccessibility Study, Shipman Ltd, Kea’au, HI, 2005** – Field Engineer responsible for developing a field sampling plan and supervised field personnel during site investigation and sampling of arsenic contaminated site. Served as the Health and Safety Officer during field sampling and coordinate field work with the client and the Dept. of Health coordinator.

**Dioxin and Arsenic Bioaccessibility Study, Ka’u Herbicide Mixing Plant, Pahala, HI, 2005** – Field Engineer responsible for developing a field sampling plan and health and safety plan for the Ka’u herbicide mixing plant site investigation project. Supervised field personnel during sample collection and served as quality control/quality assurance person for the project. Coordinate field work with the client and the Dept. of Health.

**Compliance Audit – United Green Mark. Southern California, 2005** – Conducted a Phase I ESA and an on-site compliance audit of four Green Mark Stores in Southern California. Work includes audit of the health and safety plan, emergency response plan, hazardous material handling, and spill prevention plan.

**Air Quality Assessment Study, Consuelo Alger Foundation, 2005.**

Environmental Engineer responsible for determining the impact of the construction activities and the additional traffic on the air quality in the surrounding area of the project site.

**Lead and Asbestos Inspection and Abatement, Kaneohe Marine Base Corps, HI** - Project Manager. Conducted asbestos and lead-based paint inspection on military housing units prior to demolition. Provided all necessary documents including laboratory results, to obtain the necessary clearance to dispose the PACM to a local landfill.

**Tank Tightness Testing and Certification, Hickam AFB, HI** - Project Manager for underground tank leak testing and compliance audit of gasoline stations located at the Hickam Air Force Base, Bellow Air Force Station and Kaena Point Satellite Station in the island of Oahu. Conducted precision tank tightness testing site audit to ensure compliance with the U.S. Environmental Protection Agency (EPA) regulations and requirements.

**Moanalua Shopping Center Traffic Study, Pearl Harbor, HI** – Field Engineer responsible for gathering traffic data and layout possible traffic scenarios to lessen the impact of the proposed Moanalua Shopping Center redevelopment project. Proposed traffic modifications involved road widening, traffic light installation, and redesigning traffic lanes coming to and leaving the project site.

**Remediation Investigation/Feasibility Study, Hickam Air Force Base Waikakalaua and Kipapa Fuel Storage Annex. 2000-2003.**

Field Engineer responsible for the day-to-day coordination of the field activities at the project site such as borehole drilling and monitoring well installation and development.

**Petroleum, Oil and Lubricant pipeline Cleanup. Kipapa and Waikakalau Fuel Storage Annex. Hickam Air Force Base, Hawaii, 2002.**

On-Site Health and Safety Officer responsible for the safety and compliance of several subcontractors in the field and visitors to the project site.

**Hickam Air Force Base POL Long Term Ground Water Monitoring, Waikakalaua and Kipapa Fuel Storage Annex, Air Force Center for Environmental Excellence (AFCEE), 2000 – 2002.**

Data Validation Manager responsible for data compilation, validation and electronic submission of five years worth of environmental data under strict AFCEE regulations.

**Engineering Evaluation/Cost Analysis for Operable Unit 1, Hickam Air Force Base Waikakalaua and Kipapa Fuel Storage Annex. 2002-2005.**

Field Engineer responsible for conducting vapor extraction, soil sampling, and ground water sampling at the two former fuel storage annexes. Responsibilities included instrument maintenance and calibration and sample preparation.

**Environmental Assessment and Remediation – Phase II and III, Honokahau Ice-House, Kona, Hawaii, 2003.**

Project Site Manager for site investigation and remediation of a fuel spill. The work involved limited site characterization, soil sampling and excavation of hazardous waste.

**Puna Geothermal Venture (PGV) Air Quality Monitoring and Compliance, Hawaii, 2000 to 2005.**

Air Quality Regulatory Compliance Officer assisting the Environmental Compliance and Safety Officer of the Puna Geothermal Venture to monitor the air quality and ambient noise in the vicinity of the geothermal plant.

**Air Quality Environmental Impact Study, Proposed Honolulu Bus Terminal, Hawaii Department of Transportation, 2002.**

Project Manager responsible for preparing an air quality impact study on three proposed sites for Honolulu Bus Terminal on the island of Oahu, Hawaii. Part of the study is to determine the effect of the additional traffic at the proposed sites on the quality of the ambient air.

**Air Quality Monitoring and Control. The Illikai Hotel Home Owners Association, 2003-2004.**

Project Manager responsible in the conduct of air quality deterioration in the vicinity of the hotel during renovation.

**Kapaa Landfill Site Investigation – Phase II, Hazard Evaluation and Emergency Response Office, HDOH. 2004.**

Project Manager responsible for the preparation and implementation of the field sampling plan in accordance to the EPA protocol for site investigation.

**Air Quality Assessment Study, Kauai Community College, 2003.**

Field Engineer responsible for determining the impact of the additional traffic brought about by the construction and operation of a One-Stop shop at the Kauai Community College and the surrounding area.

**EPA Voluntary Response Program Costco Warehouse Iwilei, Hawaii, 2002.**

Quality Assurance/Quality Control Officer for the Hawaii Department of Health during construction of the Iwilei Costco warehouse as part of the Volunteer Response Program.

**Lihue Plantation Mill SI, Hazard Evaluation and Emergency Response Office, HDOH. 2004.**

Project Manager responsible for the preparation and implementation of the field sampling plan in accordance to the EPA protocol for site investigation of former sugar mills in the island of Kauai, Hawaii. Reviewed work plan and provided Health and Safety Plan for the project.

**Kekaha Sugar Mill Site Investigation, Hazard Evaluation and Emergency Response Office, HDOH. 2003.**

Field Manager responsible for coordinating the field operation with several subcontractors and EPA certified laboratories. Prepared and implemented field sampling plan in accordance to the EPA protocol for former sugar mills. Served as a Health and Safety officer for the project.

**Remediation Excavation of Lead-Impacted Soil. Hickam Air Force Base, Kipapa Fuel Storage Annex. 2005.**

Field Engineer responsible for coordinating excavation work and disposal of lead-impacted soil. Responsibilities included in-situ monitoring of soil lead content using a portable X-Ray Fluorescence device. Provided TCLP results in compliance with the landfill requirements to classify the excavated soil as special waste.

**Paia Sugar Mill Site Investigation, Hazard Evaluation and Emergency Response Office, HDOH. 2005.**

Project Manager responsible for the preparation and implementation of the field sampling plan in accordance

to the EPA protocol for site investigation of former sugar mills. Managed and coordinated field work with subcontractors and served as Health and Safety Officer during site investigation.

# Ashley Kerr

Consultant



Ashley Kerr is an Environmental Consultant, having been with ERM for the past three years during the completion of her undergraduate studies. Her areas of familiarity include environmental impact assessments and site planning, compliance auditing, information management systems, site investigation and remediation, and hazardous waste management. Her proficiency in computer applications provides the necessary means for many planning and assessment projects. Ashley has had experience working for both the government and private industry sector through organizations such as the County of Hawaii, County of Kauai, State of Hawaii, USAID and various land owners/developers in the state of Hawaii.

## Fields of Competence

- Environmental impact assessments
- Site planning
- Compliance auditing
- Information management systems
- Site investigation and remediation
- Hazardous waste management
- Brownfields redevelopment

## Education

- B.A. Environmental Studies, Hawaii Pacific University, 2006
- 40-Hour HAZWOPER Training

## **Key Projects**

### **Brownfields Inventory and Site Assessment Program, County of Kauai, HI**

Responsible for managing data for list of candidate contaminated sites on Kauai as part of USEPA-funded Brownfields program. Helped to determine need for remediation and possibilities for redevelopment.

### **Brownfields Inventory and Site Assessment Program, County of Hawaii, HI**

Currently serving as Project Coordinator. Contributed to data gathering of potential contaminated sites for General List. Responsibilities include community outreach, Phase I site assessments and final Phase II reports after sampling and analysis is complete.

### **Health and Safety Support for First Farmer's Holdings, LLC., Kauai**

Assisted project engineer with health and safety auditing of the former Lihue Sugar Mill Power Plant. Duties included performing site walks and creating monthly reports dealing with the environmental and health and safety issues associated with the demolition of the plant.

### **Shipman Properties, Keaau, Hawaii**

Responsible for extensive research of historical land uses of the islands dealing with the use of sodium arsenite and lead arsenate as pesticides. Assisted Senior Geologist to conceptualize a cost-effective approach to dealing with contaminated soils on land wishing to be used for a resort.

### **Monsanto Due Diligence Site Assessments, Oahu and Molokai**

Responsible for data management of all files pertaining to the subject parcels and neighboring properties. Assisted in the sampling and analysis of soils as well as the document review process pertaining to previous land uses and possible environmental concerns.

### **Kapalua Bay Resort, Maui, Hawaii**

Helped to prepare EIS document for demolition of the Kapalua Bay Hotel and the redevelopment of the area with condominiums and other facilities.

### **Bountiful Resort, Taitung, Thailand**

Responsible for research dealing with indigenous tribes of the eastern side of island where resort is to be built and how to best represent them with creation of cultural park. Helped to identify possible environmental issues of area, including nearby nature preserve. Provided assistance in developing plan for environmental compliance and protection.

### **Rebuilding of Roads and Bridges with USAID, Sumatra, Indonesia**

Responsible for managing data with proper environmental awareness for road and bridge reconstruction due to devastation from December 26, 2004 tsunami. Tasks included assistance in environmental assessments in compliance with US NEPA as well as Indonesia AMDAL standards.

### **Asbestos Survey for Sugar Mills, Kauai**

Responsible for data gathering and management of information pertaining to the various sites and their environmental conditions.

### **GE Healthcare (former AmeriHealth), Princeton, NJ**

Responsible for data management. Tasks included filing large amounts of previously abandoned information and using such information to adequately deal with auditing and compliance matters for international sites of manufacturing. Simple research of sites as well as their produced pharmaceuticals.

### **Gerdau AmeriSteel, Raritan, NJ**

In charge of monitoring hazardous wastes being produced and taken from the facility. Performed daily site walkthroughs auditing safety, wastes and emissions helping to reach compliance levels. Started a formal filing system for company dealing with years of scattered data and a recycling program on the premises.

### **Janssen Pharmaceutica, Titusville, NJ**

Assisted in public relations project by preparing proposal to local watershed to be accepted as environmentally friendly neighbor to community. Tasks included site walk-throughs and mapping of storage tanks and laboratories, as well as in-depth analysis of waste and runoff. Successful in winning award.