

**EDUCATION**

M.S., Agricultural Engineering, University of Hawaii, Honolulu, 1987  
M.S., Marine and Estuarine Environmental Sciences, University of Maryland, 1983  
B.A., Biological Sciences with Minor in Chemistry, University of Texas, 1976

**EXPERTISE**

Environmental Assessment  
Regulatory Compliance  
Land-Use permitting  
Due Diligence  
Project Management

**EMPLOYMENT HISTORY**

FROM 2010	KUNIA VILLAGE TITLE HOLDING CORP	PRESIDENT
FROM 2007	NORTH SHORE CONSULTANTS, LLC	MEMBER
2003 TO 2007	DR ASSOCIATES	SOLE PROPRIETOR
2000 TO 2002	DAWSON GROUP, INC.	OPERATIONS MANAGER
1997 TO 2000	BELT COLLINS HAWAII, LTD.	SR. ENV. ENGINEER
1992 TO 1997	HARDING LAWSON ASSOCIATES	PROJECT ENGINEER
1978 TO 1983	SMITHSONIAN INSTITUTION	RESEARCH ASSOCIATE
1976 TO 1978	ARTIFICIAL UPWELLING PROJECT UNIVERSITY OF TEXAS ST. CROIX MARINE STATION	TECHNICIAN

Mr. Robichaux is currently the managing member of North Shore Consultants, LLC, President of the Kunia Village Title Holding Corporation (KVTHC), and Board Member of the Kunia Village Development Corporation. In NSC he is primarily responsible for environmental assessments under HEPA and Environmental Site Assessments for real estate transactions. For Kunia Village he is responsible for operating, maintaining, and replacement of 135 affordable plantation-style houses set aside for agricultural workers and 150,000 square feet of agribusiness space. Kunia Village supports the revival of local agriculture by providing respectable housing, infrastructure and recreational opportunities for farmers and farm workers living below the poverty line.

## **Project Experience**

### **Energy Project Experience**

#### **Environmental Assessment, Integrated Resource Recovery Facility, Waikoloa, 2017**

NSC has published the final EA, and will prepare Clean Air Act Permits and Land-Use Permits for a facility designed to use municipal solid waste to produce transportation fuel and stationary power. The primary process will be Anaerobic digestions of organic materials to methane gas. Methane will be used to power the waste collection fleet and excess will be sold and distributed by Hawaii Gas, Inc.

#### **Environmental Impact Statement 25 MW OTEC facilities in Grand Cayman, 2017**

NSC is the prime contractor along with Cardno and faculty of the University of Hawaii for preparation of an Environmental Statement under commonwealth law. The project will cover up to 5 OTEC facilities to supply baseload power to the Cayman Utility Corporation of Grand Cayman. The Environmental Statement will be the most detailed study of the environmental impacts associated with OTEC power that is available. The Draft is scheduled for publication in April 2017.

#### **Environmental Assessment OTEC International OTEC Demonstration Plant Natural Energy Laboratory of Hawaii. 2012**

NSC has been engaged by Sea Solar Power/ OTI since 2008 to develop plans and permits for OTEC in Hawaii. A Draft EA was recently prepared for a 1 MWe demonstration facility at the Natural Energy Laboratory. NSC also assisted OTI in planning for a large commercial-scale facility on Oahu, Hawaii.

#### **EIS for Shore-Based OTEC Facility at Kahe Point, Oahu 1984-1985**

Mr. Robichaux prepared portions of an EIS for installation of a 60 MW OTEC facility to be funded by the Department of Energy under subcontract to Community Planning, Inc. DOE issued a national solicitation for development of an OTEC demonstration plant in 1983. OTC Corporation won the bid for its design to place an OTEC facility on a pier at Kahe Point. The facility would combine the cooling water from the 800 MW Kahe Point oil-fired generator with surface water to increase the temperature delta to 60° F. Mr. Robichaux prepared the sections describing existing uses and probable impact to shoreline users and recreational fishing. The Draft EIS was accepted, but funding was withdrawn when the Reagan Administration suspended operation of the Department of Energy.

#### **Environmental Assessment for Kalaeloa Homelands Solar, LLC 2012**

Prepared a Phase I environmental Site Assessment, Environmental Assessment and Federal Aviation Administration permits for a 30 acre Photovoltaic Park located near the end of a runway at John Rogers Field (former Barbers Point Naval Air Station). The location required extensive coordination with pilots and aviation regulators in order to assess potential risks to general aviation.

**Environmental Assessment for Koloa Photovoltaic Park, 2012**

Prepared an Environmental Assessment under HEPA and stormwater permits for a 40 acre PV park near Koloa, Kauai. The project involved negotiations with local community leaders to avoid impacts to historical and archeological feature that were either on or adjacent to the site.

**Planning and Permitting for Aina Koa Pono Biomass Power Facilities 2009 - 2011**

Managed the early planning and permitting efforts for AKP for gasifiers utilizing biomass to produce some combinations of electric power and biodiesel. NSC was responsible for the initial site due diligence and environmental permits; however, was displaced when AECOM acquired a stake in the company.

**Planning and Permitting for Tradewinds Forest Products 2006-2009  
O`okala, Hawai`i**

Managed various tasks for the development of a veneer mill at O`okala, Hawaii. The tasks were undertaken as subcontractor to URS - Portland. The scope of services expanded as the project progressed. Mr. Robichaux was originally contracted to prepare an Environmental Impact Statement; however, after examination it was determined that neither an EIS nor any HEPA review was required under the law.

**EISPN Municipal Waste Incinerator, County of Hawaii, 2005**

When the County of Hawai`i announced that it would solicit vendors to provide waste to energy solutions for East Hawaii, various environmental groups threatened a lawsuit over the process. The county determined that it would be in its best interest to involve the public in the decision making process and contracted Mr. Robichaux for preparation of an EIS Preparation Notice (EISPN). Mr. Robichaux participated in the initial planning efforts to procure a WTE facility. The scope of services included an EIS Preparation Notice and coordination between the attorneys preparing the solicitation (Hawkins et. al) and the engineering firm (R.W. Beck) selected to work with the attorneys on the solicitation. A hiatus of almost two years followed preparation of the EISPN before the solicitation was activated and then canceled by the County Council.

**Barlow Projects WTE Incinerator Bid 2006  
Hawai`i County, Hawai`i**

Mr. Robichaux assisted Barlow Projects Inc. with their bid to the County of Hawaii's first waste- to-energy solicitation. Barlow Projects proposed a 200 ton per day mass burn incinerator that met the unofficial criteria of costing less than \$100/ton. Mr. Robichaux provided information on County-provided facilities, population projections, permitting requirements and costs, as well as probable alternatives.

**Solid Waste Projects****Design/Permitting of West Hawaii Materials Recovery Facility. 2006-9**

Project Manager for development of the Scrap Metal Recovery, Composting, and Impound Facility planned for the West Hawaii Sanitary Landfill (WHSL). Mr. Robichaux subcontracted Earth Tech (AECOM) for the civil design work and prepared all of the required permits for



expansion of the WHSL complex. The project was been expanded to include improvements to the materials recovery facilities at the South Hilo Sanitary Landfill. The scope included Solid waste management and stormwater permits for both facilities.

**County of Hawaii Transfer Station Enhancement Plan. 2006**

Project Manager for a Transfer Station Enhancement Plan for five transfer stations targeted by the County of Hawaii for upgrades. The Plan included conceptual designs for addition of recycling facilities at five transfer stations eligible for Community Development Block Grants.

**EIS County of Hawaii East Hawaii Regional Sort Station. 2003-4**

Mr. Robichaux was selected by the County of Hawaii to prepare an EIS for the East Hawaii Regional Transfer Station. Mr. Robichaux served as task manager for the EIS, while overall Project Manager Wayne Rifer invited URS to prepare civil drawings and act as prime contractor. The EIS was completed within the proposed time frame and budget.

**EA Miloli'i Transfer Station. 2005-6**

Mr. Robichaux prepared an Environmental Assessment for the Miloli'i Transfer Station because the Department of Health discovered that it was not permitted and located in a conservation district. The after-the-fact EA was submitted within the proposed budget.

**State of Hawaii Integrated Solid Waste Management Plan, 1999 - 2000**

Mr. Robichaux served as Project Manager and one of the principal authors of the State's original Integrated Solid Waste Management Plan while employed by Belt Collins Hawaii.

**Hawaii Disaster Debris Management Plan, 2000**

Mr. Robichaux served as the local team leader for the States first Disaster Debris Management Plan under subcontract to Geoscience Associates of Virginia.

**Feasibility Study Incineration of Hurricane Debris, Kauai. 1993**

Mr. Robichaux was a project Engineer for Harding Lawson Associates in the early 1990s and involved in preparation of the recovery efforts for Hurricane Iniki. The Efforts included planning and retroactive permitting for 5 temporary hurricane debris receiving sites. HLA also became involved with planning for materials recovery efforts for hurricane debris. Mr. Robichaux acted as project manager for a feasibility study to burn lumber in the Gay and Robinson Mill at Olokele. The test burn showed that it was feasible to safely burn lumber.

**Integrated Solid Waste Management Plan, County of Kauai. 1992**

Mr. Robichaux acted as a project planner for the County of Kauai's original ISWMP. The project scope was significantly expanded when the Island was struck by Hurricane Iniki.

**Phase I/II Environmental Assessment****Phase I/II for Real Estate transactions, Hawaiian Electric Company 2015 – present.**

NSC performs many of the Phase I/II investigations for Hawaiian Electric Company's acquisitions and leases. Mr. Robichaux has personally completed 20 Phase I/II ESAs for this client since 2015.



**Phase I Environmental Site Assessment Hamakua BioEnergy Group 2008**

Hamakua BioEnergy Group was the successful bidder for substantial Eucalyptus resources belonging to Kamehameha Schools. Mr. Robichaux prepared a Phase I environmental Site assessment of the 23,000 acres within the site lease, and assisted HBE with permitting and regulatory issues.

**Tradewinds Forest Products 2006**

NSC performed a Phase I and II for a former sugar mill in O`okala, Hawaii. The intent was to redevelop the site to produce veneer. Although the site had been assessed several times in the past, NSC discovered a number of potential problems with PCB transformers and previously unknown USTs. A phase II did not reveal PCB contaminated soil but led to the removal of an underground storage tank.

**Former Del Monte Kunia Village 2007-2008**

The Hawaii Agriculture Research Center (HARC) acquired 121 single family houses and approximately 150,000 square feet of commercial/industrial /retail buildings from The James Campbell Company after Del Monte withdrew from Hawaii. The property included an active superfund site, approximately 20 former USTs, machine shops, chemical storage warehouses and a wastewater treatment plant. The Phase I/II was coordinated with the EPA and CERCLA consultants conducting the superfund investigation. NSC identified additional areas for cleanup while they were still Del Monte's responsibility.

**Phase I ESA Waiahole Ditch, 2001**

Mr. Robichaux performed a Phase I ESA for the State of Hawaii, Agriculture Development Corporation for its acquisition of the Waiahole Ditch. He was very disappointed that he could not ride through the Koolau mountains on an inner tube, but successfully surveyed the remainder of the its length.

### General Project Experience

Project Manager,	EA Agriculture infrastructure, Kunia Oahu
Project Manager,	EA OTEC Demonstration Facility NELHA
Project Manager,	Environmental Compliance Audit Central Maui Baseyard
Project Manager,	201-H permit and variance for Kunia Village
Project Manager,	Land use permits for Poipu Solar, LLC
Project Manager,	EA Kapiolani Medical Center Master Plan
Project Manager,	Hamakua Bio Energy, Planning and Permitting
Project Manager,	Redevelop Former Del Monte Facilities, Kunia Oahu
Project Planner,	UPC Solar, Inc - Planned Solar array, Oahu and Maui
Project Manager,	Tradewinds Forest Products, Planning and Permits
Project Manager,	EISPN Waste-To-Energy Incinerator, Hawaii County
Project Planner,	CleaveCo Biomass Generating Facility, Kekaha, Kauai
Project Planner,	Barlow Projects WTE Incinerator, Hawaii County
Project Manager,	Solid Waste/Stormwater Permits Hawaiian Earth Products
Project Manager,	NPDES Stormwater permitting, SOS Metals Recycling
Project Manager,	EIS County of Hawaii East Hawaii Regional Sort Station
Project Manager,	EA Miloli'i Transfer Station
Project Manager,	Design/Permitting of West Hawaii Materials Recovery Facility
Project Manager,	County of Hawaii Transfer Station Enhancement Plan
Project Manager,	Infrastructure Assessment DHHL Commercial Properties, Hawaii
Project Manager,	EA US Army Phase 6B Whole Barracks Renewal
Project Manager,	State of Hawaii Integrated Solid Waste Management Plan
Team Leader,	Hawaii Disaster Debris Management Plan, State Civil Defense
Project Manager,	Environmental Baseline Survey (EBS), HIARNG, Barbers Point
Project Manager,	EA Oahu Veterans Center
Project Manager,	EA/EBS for USS MISSOURI, Pearl Harbor
Project Manager,	Hazardous Waste Removal Actions Hickam AFB, Oahu
Project Engineer,	Kauai Disaster Debris Management Plan
Project Manager,	Bulky Waste Landfill, NAF Midway Atoll, Site Selection and Design
Project Manager,	Site Assessment, Closure of Hurricane Debris Receiving Sites, Kauai
Project Engineer,	Hurricane Iniki Disaster Debris Diversion Plan
Project Engineer,	Honouliuli WWTP 301h Permit Application
Project Manager,	Feasibility Study Incineration of Hurricane Debris, Kauai
Project Planner,	EIS Gouldsboro Bay Marine Sanctuary, Maine
Project Manager,	SPSS Plan GASCO, Pier 33, and Kaneohe Marine Corps locations
Project Manager,	RCRA Certification of Drip Pad, Honolulu Wood Treating
Project Manager,	Phase I ESA 40,000 acres of timberland, Oji Paper Company
Project Engineer,	Environmental Compliance Audit on Motor Pools, Schofield Barracks
Project Engineer,	CERCLA PA/SI, 50 locations at Schofield Barracks NPL site
Project Engineer,	CERCLA RI/FS, Schofield Barracks NPL Site
Project Manager,	Remedial Action/Assessment for PCB release, Kaneohe Bay, Oahu
Project Planner,	EIS OTC Corp. Kahe Point OTEC Plant, Nanakuli, Hawaii
Project Planner,	Integrated Solid Waste Management Plan, County of Kauai

