

**Derek K. Mukai, P.E.**  
***Principal Engineer***

Key Personnel

**Education**

B.S., Mechanical Engineering – University of Hawaii at Manoa

**Professional Experience**

Community Planning & Engineering, Inc. – Principal Engineer

Community Planning & Engineering, Inc. – Project Manager

Environet, Inc. – Project Manager

R.M. Towill Corporation – Project Engineer



**Career Summary**

Mr. Mukai is a registered professional civil engineer with over 23 years of experience in wastewater/water treatment plant and pump station design, and infrastructure planning. He has designed and retrofitted numerous wastewater and water treatment facilities for municipalities and private clients throughout the state of Hawaii and overseas, and has conducted condition assessments on existing wastewater infrastructure. Mr. Mukai has considerable experience using innovative state-of-the-art technology, and his broad understanding of wastewater and water treatment processes and infrastructure requirements makes him instrumental in facilitating associated permitting processes and regulatory compliance. Mr. Mukai is frequently called upon to coordinate engineers and contractors, and to resolve, clarify, and expedite design and construction for clients.

**Selected Project Experience:**

- Waimanalo Wastewater Treatment Plant Improvements
- Force Main Assessment and Upgrade for Beachwalk, Kahala, Waimalu, Kaneohe-Kailua and Hart Street
- Niu Valley Wastewater Pump Station Force Main Reconstruction
- DHHL, Waiohuli 0.25 MG Reservoir
- Waianae Wastewater Treatment Plant Upgrade to Secondary
- Waianae Wastewater Treatment Plant Biotrickling Filter Odor Control System
- Kailua Wastewater Treatment Plant Modifications Phase 1 and Phase 2
- Kailua Wastewater Treatment Plant, Primary and Secondary Odor Control Study
- Kailua Wastewater Treatment Plant, DAFT Pump Replacement
- Makena Wastewater Reclamation System, Increment 1
- Decommissioning of the Maui Prince Hotel Wastewater Treatment Plant
- Heeia Wastewater Treatment Plant Expansion Part A & Part B
- Camp Humphreys, Korea Wastewater Treatment System Upgrades
- Laie Wastewater Pump Station and Collection System Expansion
- Kaalaea Wastewater Pump Station, Kahuluu, Oahu
- Hokuli'a Low Pressure Sewer System
- Keahole Wastewater Treatment Plant
- Kukuiula Wastewater Treatment Plant
- Schofield Wastewater Treatment Plant, Repair/Replace Centrifuge Unit
- Schofield Wastewater Treatment Plant, Repair Chlorination/Disinfection System
- Schofield Wastewater Treatment Plant, Upgrade WWTP Disinfection System
- Maunaloa Wastewater Treatment Plant
- Sand Island Sewage Treatment Plant, Unit 1, Phase 2A
- Sand Island Sewage Treatment Plant 30% BOD Removal
- Hilo Airport Wastewater Treatment Plant, Refurbishment