

Roy K. Abe

Objective Perform community service in the environmental field, with an emphasis on enhancing freshwater and nearshore/coastal water quality and ecosystems.

Education University of California at Berkeley, M.S., Sanitary and Environmental Engineering, [REDACTED]
University of Hawaii at Manoa, B.S., Civil Engineering, [REDACTED]

Registration Civil Engineer, Hawaii, [REDACTED]

Employment

1987 – current Hawaii Pacific Engineers, Inc./HDR Engineering, Inc. (HDR acquired HPE in 2007)
Vice President/Senior Project Manager

1980 – 1986 M&E Pacific, Inc. (Currently AECOM following acquisition of M&E)
Project Engineer

Professional Affiliations Hawaii Water Environment Association/Water Environment Federation (Past HWEA President, 1997), American Society of Civil Engineers, American Water Works Association

Professional Experience Approximately 35 years of experience primarily in sanitary and environmental engineering, including planning, design and environmental permitting for wastewater and water infrastructure projects.

Selected Project Experience

City and County of Honolulu

- Update of Wastewater Design Standards (Vol. 1 - Sewers, Pump Stations)
- Design Standards (Vol. 2 - Wastewater Treatment Plants)
- Sand Island Wastewater Treatment Plant (WWTP) Optimization Studies
- Permit Applications for NPDES Permits and 301(h) Secondary Treatment Waiver
- Waimanalo Wastewater Facilities Plan Study and EIS
- Mililani Reclamation Facility Feasibility Study
- Mililani Headworks Facility Design & Environmental Assessment (EA)
- Waimalu Sewer Rehabilitation/Reconstruction Study, Design and EA
- Waikapoki Wastewater Pump Station Force Main Study, Design and EA
- Cesspools and Individual Onsite Systems Standards Development

County of Maui

- Kihei Wastewater Reclamation Facility Process Evaluation and Capacity Study
- Wastewater Pump Station Upgrade Design - Kahului, Lahaina, Kihei, Kuau, Kaunakakai
- Lahaina-Alaeloa and Honokohau Water Study and Honokahua Well "B" EA

County of Kauai

- Waimea WWTP Expansion, Phase 1, Design
- Eleele WWTP Expansion Preliminary Engineering, Design and O&M Manual
- Septage Management Study

State of Hawaii

- Design of Various School Septic Tank Systems -- Mountain View, Kilauea and Waialua
- Wastewater Treatment Operator Training Center Study and Design
- Honolulu Harbor Pier 31-34 Sewage Collection Improvements

Federal Agencies

- Hawaii Fruit Fly Rearing Facility Master Plan and Wastewater Study
- Marine Corp Base Hawaii Effluent Reuse Study
- Fort Kamehameha Outfall and Ford Island Force Main MCON Funding Documents
- Pearl Harbor Sewage Spill Prevention, Containment and Response Plan
- Water/Wastewater Base Closure Contingency Plan, Barbers Point Naval Air Station
- Drainage Studies for Pacific Missile Range and Mana Plain
- Johnston Island WWTP Design