

**EMPLOYMENT HISTORY**

**WATER TECTONICS**

**JULY 2018 TO PRESENT**

**DRC TREATMENT PLANT OPERATOR**

Oversee the operation and maintenance of the Makena Wastewater Reclamation Facility, Hale Mahaolu Eha and the three Molokai Ranch Properties. Participate in repairs and equipment replacement and upgrades. Review and maintain all compliance reporting data for compliance with State of Hawaii Department of Health requirements.

**COUNTY OF MAUI, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**SOLID WASTE DIVISION**

**AUGUST 2015 TO APRIL 2021**

**SOLID WASTE DIVISION ENVIRONMENTAL COMPLIANCE SPECIALIST**

Oversee the permit compliance program for 4 active and 4 in-active landfill sites throughout the County of Maui. Responsibilities included the development and implementation of programs, policies and procedures to ensure compliance with all applicable operational permits issued by the State of Hawaii Department of Health and the U.S. Environmental Protection Agency. Assist in the development of the annual division budget, scheduling of major equipment and infrastructure repairs, rehabilitation and upgrades and the provision of training for operational staff to ensure compliance and manpower sustainability.

**WASTEWATER RECLAMATION DIVISION**

**MAY 2008 TO AUGUST 2015**

**WASTEWATER TREATMENT PLANTS OPERATIONS MANAGER**

Oversee the supervision of the operation and maintenance of 5 wastewater treatment facilities under the ownership of the County of Maui. Responsibilities include supervision of facility management staff, development of facility performance reports, personnel evaluations, review and confirmation of compliance reporting data for all 5 plants sent to the State of Hawaii Department of Health, annual budget projections for the division, scheduling of major equipment and infrastructure repairs, rehabilitation and upgrades and provision of training for operational staff to ensure compliance and manpower sustainability.

**MAY 2006 TO MAY 2008**

**WASTEWATER TREATMENT PLANT SUPERVISOR,  
LAHAINA WASTEWATER RECLAMATION FACILITY**

As plant supervisor, responsibilities included overseeing the daily operations and maintenance of the 9 MGD Grade IV activated sludge wastewater reclamation facility. Staff supervision included 16 operations, maintenance and instrumentation staff. Duties included compliance with operation permits requirements issued by the State of Hawaii Department of Health and Department of Environmental Protection Agency, supervision of deep well injection sites and water reuse facilities for golf course irrigation, and responsibility for weekly, monthly and yearly reporting.

**MAY 2002 TO MAY 2006**

**ASSISTANT WASTEWATER TREATMENT PLANT OPERATOR**

Assistant Wastewater Treatment Plant Operator as part of a 16 member team to properly and appropriately operate and maintain a Grade IV water reclamation facility. Major duties include observations and record keeping of process laboratory and associated equipment, repair and replacement of infrastructure, equipment and components of these equipment and machinery.

**PURAL WATER SPECIALTIES/AQUA ENGINEERS**

**SEPT 2006 TO PRESENT**

**WWTP OPERATOR -**

**HALE MAHAOLU EHA  
HAWAII NATURE CENTER  
MOLOKAI RANCH (3)**

**NOVEMBER 2019 TO JANUARY 2023**

Provide operation and maintenance services to ensure a small wastewater treatment facility is in compliance with all operational permits and requirements. Duties include observation of all equipment and its components, repair and replacement of equipment and its components and perform process laboratory record keeping.

## **VIRGIL A. VIERNES JR.**

**U.S. NAVY – SAN DIEGO**

**AUG 1990 TO SEPT 1994**

**NUCLEAR PROPULSION PLANT MECHANICAL OPERATOR**

Enlisted into the Surface Ship Nuclear Propulsion Plant Mechanical Operator Training Program. Major duties included the basic attainment of knowledge in the field of Nuclear Engineering and propulsion, mechanical maintenance and repair and the tools required, and more importantly the proper operation of nuclear fission, reactor principles and safety precautions and policies.

Immediately after Naval Basic Training, attended Machinist's "A" School to learn the basic theories and practices of a mechanical repairman including air conditioning, desalination, associated metal work, piping and valves and associated tools and their uses. Upon completion of "A" School, attended the Naval Nuclear Power School. This school consisted of 24 weeks of detailed education in chemistry, metallurgy, reactor principles, mathematics and physics.

After successful completion, attended Naval Nuclear Prototype Training. This additional 24 week training course utilized the previous school education into a hands on approach on an actual nuclear propulsion plant while under the strict observation and instruction of certified operators, supervisors and managers.

Upon certification and commission as a mechanical operator, assigned to a surface combatant ship and became a lead mechanical operator for one of two nuclear propulsion plants, where major responsibility was the proper operation and maintenance of the forward reactor propulsion plant.

### **EDUCATION AND TRAINING**

**AUG 1999 TO MAY 2001**

**UNIVERSITY OF HAWAII, MANOA**

**KINESIOLOGY AND LEISURE SCIENCE:** Earned sixty five credit hours intended for a Bachelors of Science degree with the emphasis of Athletic Training. Along with the required formal academic classroom sessions, performed on-the-job training through the internship program at the Mililani High School, Wai'anae High School and University of Hawaii athletic programs.

**AUG 1997 TO AUG 1999**

**MAUI COMMUNITY COLLEGE**

**ASSOCIATES of ARTS Degree:** General education with eighty four (84) credit hours. Completed program to earn two year degree to transfer to the University of Hawaii, Manoa.

### **ACCOMPLISHMENTS**

Certified Grade IV Wastewater Treatment Plant Operator - State of Hawaii  
November 2006 to Present

State of Hawaii, Department of Health  
Board of Certification of Wastewater Treatment Plant Operators  
July 2009 to 2016, 2017 to Present

Underground Storage Tanks; Classes A, B and C  
2018 to Present

State Wide Operator Training Center, Instructor  
2008 – 2020

Subject Lecturer - Wastewater  
University of Hawaii, Maui College  
2024 to Present

**VIRGIL A. VIERNES JR.**

**REFERENCES**

Roger Babcock, Jr. PhD, P.E.  
Director, Department of Environmental Services

[REDACTED]

[REDACTED]

Jon Nakashima  
WWTP Operations and Maintenance Supervisor

[REDACTED]

[REDACTED]

Rhonda Harris, P.E., P.Eng, BCEE, PMP, FWEF, MIAM, H.AWWA, F.WEF  
Chief Technical Officer and Sr. Vice President

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