



STATEWIDE WASTEWATER OPERATOR TRAINING CENTER  
 WATER RESOURCES RESEARCH CENTER, UNIVERSITY OF HAWAII  
 HONOLULU, HAWAII



**TRAINING SESSION ANNOUNCEMENT**  
**269 – ELECTRICAL MAINTENANCE I**

County: County of Hawaii - Hilo  
 Location: Hilo WWTP  
           150 Kekuanaoa, Hilo Hawaii  
 Dates: **March 15 and 16, 2017**  
 Times: 8:00 a.m. – 11:00 a.m.  
           Lunch (11:00 a.m. – 12:00 p.m.)  
           12:00 p.m. – 3:00 p.m.  
 Audience: Operators and Maintenance Personnel  
 Educational Point: 1.0 CEU  
 Instructor: Ron Hay  
 Prerequisite: *Completion of Course #102, Basic Electricity*

**COURSE DESCRIPTION**

Videotape 1 - Reading Electrical Diagrams. Connection and Interconnection diagrams, raceway diagrams, and logic diagrams are covered in this unit. Trainees learn how to read a "Raceway Schedule"; a Raceway Notes, Symbols, and Detail book; and truth tables. Videotape 2 - Troubleshooting and Emergency Repair of AC Systems and Equipment. This unit examines examines AC systems and equipment troubleshooting, with particular emphasis on industrial AC systems, subsystems, units, and components commonly in use. Trainees are taught how to identify and locate grounds, shorts, and opens; how to make simple emergency repairs to AC equipment; and how to be aware of the limitations and safety concerns associated with emergency repairs. Videotape 3 - Power Supplies. It explains the operation of transformers, rectifiers, filters, regulators, voltage multipliers, and voltage dividers and shows trainees how to identify these devices and circuits on a schematic.

**REGISTRATION**

- 1. County Wastewater Treatment Plant Personnel: **TUITION: Free**  
 Please submit an application form to your supervisor for approval and then fax/email to the Statewide Wastewater Training Center.
- 2. All Other Non-Municipal and Non-Wastewater Employees: **TUITION: \$110**  
 Please mail application form and tuition directly to the Statewide Wastewater Training Center. Check payable to: RCUH.

Mail to: Statewide Wastewater Operator Training Center  
 University of Hawaii, water Resources Research Center  
 2540 Dole Street, Holmes Hall 283  
 Honolulu, Hawaii 96822

Fax: 808-956-5014    Email: [uhwwtrainingcenter@gmail.com](mailto:uhwwtrainingcenter@gmail.com) **Deadline: March 8, 2017**

**EQUAL OPPORTUNITY**

Any disabled person requiring special needs will be accommodated. Any disabled person requiring special assistance should contact the Administrator at 956-7298 or [uhwwtrainingcenter@gmail.com](mailto:uhwwtrainingcenter@gmail.com).