



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



**TRAINING SESSION ANNOUNCEMENT**  
**208 PUMP CONTROLS, TYPES, OPERATION AND MAINTENANCE (INTERMEDIATE)**

County: County of Hawaii - Hilo  
Location: Hilo WWTP Classroom  
150 Kekuanaoa, Hilo Hawaii  
Dates: **October 25 and 26, 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, supervisors, managers  
Educational Point: 1.0 CEU  
Instructor: Ron Hay  
Prerequisite: *Knowledge of Mechanical Maintenance*

### COURSE DESCRIPTION

This course is designed to teach students to identify the basic components of pumps and pump processes and to describe the purpose of pumps in the wastewater field. The course is divided into three parts. Part I covers: (a) basic components of the pump assembly; (b) basic types of motors, starters and enclosures; (c) motor controls; and (d) troubleshooting. Part II covers: (a) centrifugal pumps; (b) basic components of centrifugal pumps; and (c) control of centrifugal pumps. Part III covers: (a) positive displacement pumps; and (b) basic components of positive displacement pumps.

### 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: Oct 20, 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).