



STATEWIDE WASTEWATER OPERATOR TRAINING CENTER  
STATE DEPARTMENT OF HEALTH  
HONOLULU, HAWAII

**TRAINING SESSION ANNOUNCEMENT**  
**262 HYDRAULIC SYSTEMS III: ACTUATORS, HYDRAULIC SYSTEM TROUBLESHOOTING, AND ELECTROHYDRAULIC SERVO SYSTEMS**

County: City and County of Honolulu  
Location: Statewide Wastewater Operator Training Center  
1350 Sand Island Pkwy  
Dates: **February 26 & 27, 2014**  
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  
Educational Point: 1 CEU  
Instructor: Bruce Zhang  
Prerequisite: Course #261

### COURSE DESCRIPTION

This course consists of three videotapes and textbooks.

Videotape 1 (Actuators) covers: hydraulic cylinders, cylinder regulation, cylinder repair, hydraulic motors, motor regulation, and motor repair.

Videotape 2 (Hydraulic System Troubleshooting) covers: introduction to troubleshooting, using schematic diagrams, flow-related problems, cylinder malfunction, edge guide circuit malfunction, downender malfunction, and traversing circuit malfunction.

Videotape 3 (Electrohydraulic Servo Systems) covers: signal transmission, servo system schematic symbols, spool servo valves, jet pipe servo valves, flapper servo valves, and frequency response tests.

### REGISTRATION

- State and County Wastewater Treatment Plant Personnel: **TUITION: Free**  
Please register as soon as possible by sending the registration form thru your immediate supervisor. Supervisors will forward all registration forms to the Administrator of the Statewide Wastewater Training Center.
- All Other Non-Municipal and Non-Wastewater Employees: **TUITION:\$110.00**  
Please forward your registration form and check or money order payable to: State Department of Health.

Mail to:

Administrator, Statewide Wastewater Operator Training Center  
State Department of Health  
919 Ala Moana Blvd., Room 309  
Honolulu, Hawaii 96814-4290

**Deadline\*: February 19, 2014**

*\* Registration and Payment*

### EQUAL OPPORTUNITY

Any disabled person requiring special needs will be accommodated. Any disabled person requiring special assistance should contact the Administrator at 586-4293 or fax 586-4300.