



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

TRAINING SESSION ANNOUNCEMENT
**265 - MECHANICAL MAINTENANCE X:
FUNDAMENTALS OF INSTRUMENTATION AND CONTROLS
LIQUID LEVEL MEASUREMENTS AND PRESSURE GAUGE AND CALIBRATION**

County: City and County of Honolulu
Location: Statewide Wastewater Operator Training Center
1350 Sand Island Pkwy
Dates: **December 1 and 2, 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 and Maintenance Personnel
Educational Point: 1 CEU
Instructor: Bruce Zhang
Prerequisite: Course #206

COURSE DESCRIPTION

Videotape 1 - Liquid Level Measurement focuses on the operating principles of simple level measuring instruments, float-actuated instruments, displacers, magnetic float devices and sonic instruments.

Videotape 2 - Liquid level Measurements 2 teaches trainee how to convert pressure measurements into equivalent liquid level measurements. After completing this unit, trainees should understand how indirect level measuring instruments can be used in open tanks, what differential pressure is, how differential pressure is measured, and how D/P devices are connected to open and closed tanks.

Videotape 3 - Pressure Gauges and Calibration 1 demonstrates how to read pressure gauges, remove gauges, and return gauges to service. With sufficient practice, trainees should be able to assemble and disassemble adjustable pointer mechanisms and calibrate rotary-gear pressure gauges containing Bourdon tube or bellows pressure elements.

Videotape 4 - Pressure Gauges and Calibration 2 teaches trainees to calibrate a variety of pressure gauges, including retard gauges, absolute gauges, and compound gauges. Trainees also learn to compensate correctly for static pressures when the level of the gauge is different from the level of the pressure being monitored and to select and install devices to protect a gauge from process it monitors.

REGISTRATION *(Classes are subject to **cancellation if less than three registrations** are received by the deadline.)*

- State and County Wastewater Treatment Plant Personnel: **TUITION: Free**
Please register as soon as possible by sending the registration form through 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**
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 96814-4920

Deadline*: November 27, 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.