



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

TRAINING SESSION ANNOUNCEMENT  
**219 – ADVANCED WASTEWATER MATHEMATICS IV**

County: County of Kauai  
Location: Kauai Civil Defense Classroom  
3990 Kaana St. Suite 100  
Dates: **November 10, 2011**  
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: Maintenance Personnel and Operators  
Educational Point: 0.8 CEU  
Instructor: Manny Dacay  
Prerequisite: *Course 218 Wastewater Math III*

### COURSE DESCRIPTION

Target group Grade 4 Wastewater Plant operators. Journeyman and senior level WTPO level process math work; summary of process formulas, conversions. Advanced problems; volumes, pounds formula, sedimentation and clarification, secondary wastewater process units, trickling filters and activated sludge, chemical solutions, tertiary filtration, hydraulics, velocity, waste sludge, effluent disinfection, effluent disposal, gravity thickeners, and digesters. Assorted problems from past state exams.

*Please bring a calculator to class.*

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

1. 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.
2. All Other Non-Municipal and Non-Wastewater Employees: **TUITION: \$55.00**  
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

**Deadline\*: November 3, 2011**

*\* 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 586-4294 or fax 586-4300.