



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

TRAINING SESSION ANNOUNCEMENT  
**301 – ACTIVATED SLUDGE SKILLS TRAINING (ADVANCED)**

County: County of Kauai  
Location: Kauai Civil Defense Classroom  
3990 Kaana St. Suite 100  
Dates: **April 6 and 7, 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: Operators, supervisors and managers  
Educational Point: 1 CEU  
Instructor: Manny Dacay  
Prerequisite: *Prerequisite: Successful completion of Course #201 or completion of Volume I - Ken Kerri's correspondence course of the California State University, Sacramento.*

### COURSE DESCRIPTION

This training program deals with the process control in an activated sludge system. As a plant operator, you know that the success of the treatment system is measured by the quality of the effluent. So, your main concern is to make sure that your effluent meets your regulatory agencies requirement. In many cases the required values for the biochemical oxygen demand (BOD) and suspended solids (SS) are less than 30 mg/l and that for the chemical oxygen demand (COD) is less than 100 mg/l. To maintain these levels and, thus have effective operation, you must maintain an adequate number of microorganisms; maintain good settling properties; supply adequate air to the aeration tank; and remove sludge from the clarifier before septic conditions or denitrification problems occur. Other objectives include identifying the components of aeration and clarification methods; describing the purpose, operation, and maintenance requirements of major components; use checklists to start-up, shut down and troubleshoot a system; and demonstrating knowledge of F/M ratio, respiration rate, and the mean cell retention time for analyzing plant data. Advance activated mathematic problems will also be covered.

### 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  
1350 Sand Island Parkway, Bldg. 3A  
Honolulu, Hawaii 96819

**Deadline\*: March 30, 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 832-5478 or fax 832-3496.