



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

TRAINING SESSION ANNOUNCEMENT  
**201 ACTIVATED SLUDGE PROCESS CONTROL (INTERMEDIATE)**

County: City and County of Honolulu  
Location: Statewide Wastewater Operator Training Center  
1350 Sand Island Pkwy  
Dates: **October 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  
Educational Point: 1 CEU  
Instructor: Don Piepgrass  
Prerequisite: *Basic Course #101*

### 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 an effective operation, you must: (a) maintain an adequate number of microorganisms; (b) maintain good settling properties; (c) supply adequate air to the aeration tank; and (d) remove sludge from the clarifier before septic conditions or de nitrification problems occur. Other objectives include: (a) identify the components of aeration and clarification methods; (b) describe the purpose, operation, and maintenance requirements of major components; (c) use checklist to start-up, shut down and troubleshoot a system; and (d) demonstrate knowledge of F/M ratio, respiration rate, and then mean cell retention time for analyzing plant data.

### 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

**Deadline\*: September 24, 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 586-4294 or fax 586-4300.