



STATEWIDE WASTEWATER OPERATOR TRAINING CENTER  
 WATER RESOURCES RESEARCH CENTER, UNIVERSITY OF HAWAII  
 HONOLULU, HAWAII



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

County: Honolulu  
 Location: Honouliuli WWTP Classroom  
 91-1000 Geiger Rd, Ewa Beach  
 Dates: **June 27, 28 and 29, 2016**  
 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.  
 On the 29<sup>th</sup>, 8:00 a.m. – 12:00 p.m. plant tour  
 Audience: Operators, supervisors, managers  
 Educational Point: **2.0 CEU**  
 Instructor: Roger Babcock  
 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 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. Day three of the class is a half-day plant tour.

**REGISTRATION**

1. All Treatment Plant Personnel (County, State, Private):

**TUITION: \$165**

Registration for all students is completed using the registration form on the website

Payment is by cash only on the first day of class.

There is no minimum enrollment for this class.

The maximum enrollment for this class is 30

**Deadline:  
 June 23, 2016**

Additional Information available at

SWOTC website: [www.wrrc.hawaii.edu/swotc.shtml](http://www.wrrc.hawaii.edu/swotc.shtml)

Email: [uhwwtrainingcenter@gmail.com](mailto:uhwwtrainingcenter@gmail.com)

Phone: (808) 956-7298

**EQUAL OPPORTUNITY**

Any disabled person requiring special needs will be accommodated. Any disabled person requiring special assistance should contact the Administrator at 956-7298 or [uhwwtrainingcenter@gmail.com](mailto:uhwwtrainingcenter@gmail.com).