



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



TRAINING SESSION ANNOUNCEMENT
201 ACTIVATED SLUDGE PROCESS CONTROL (INTERMEDIATE)

County: Honolulu
Location: University of Hawaii at Manoa
Holmes Hall, room 287
2540 Dole Street, Honolulu
Dates: **January 20 and 21, 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.
Audience: Operators
Educational Point: **1.0 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 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

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

TUITION: \$110

Registration and payment for all students is completed online at:

www.outreach.hawaii.edu/noncredit/courses

The class will be cancelled if less than 15 students are registered by the deadline.

The maximum enrollment for this class is 30

**Deadline:
Jan 13, 2016**

Additional Information available at

SWOTC website: www.wrrc.hawaii.edu/swotc.shtml

Email: 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.