



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



TRAINING SESSION ANNOUNCEMENT  
**315 BIOLOGICAL NUTRIENT REMOVAL**

County: Honolulu  
Location: University of Hawaii at Manoa  
Holmes Hall, room 287  
2540 Dole Street, Honolulu  
Dates: **April 21 and 22, 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: *None*

### COURSE DESCRIPTION

This training program is designed to prepare operators to operate biological nutrient removal treatment systems. In Part 1, the processes of nitrification and denitrification will be covered for both suspended growth and attached growth reactors. In Part 2, biological phosphorus removal will be covered in terms of basic principles of luxury uptake of phosphorus, start-up, operation, and maintenance of different types of systems. In Part 3, biological dual nutrient removal three-zone and five-zone treatment systems will be covered.

### 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](http://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:  
Apr 15, 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).