TRAINING SESSION ANNOUNCEMENT

320 MEMBRANE BIOREACTORS (ADVANCED)

County: Honolulu
Location: University of Hawaii at Manoa
           Holmes Hall, room 287
           2540 Dole Street, Honolulu
Dates: January 6, 7 and 8, 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.
       Ends at Noon on the 8th
Audience: Operators, supervisors and managers
Educational Point: 2.0 CEU
Instructor: Roger Babcock
Prerequisite: Course #210 or Vol I of Ken Kerri’s course

COURSE DESCRIPTION
This 2.5 day course covers operation and control of membrane bioreactor activated sludge systems (MBRs) and includes site visit to a working MBR. The course will cover describe theory and mechanisms, show designs and design parameters, give expected performance removals, work sample calculations, describe system start-up, operation, maintenance, and troubleshooting. The course will be part discussion about how processes work and relative advantages/disadvantages of different systems, and part visual observation of all the components of an operating MBR treatment system. The tour will include observation of fine screens, anoxic tanks, aeration tanks, membrane units, pumping and aeration systems, PLCs and user interface along with emphasis on process inputs, start-up, normal operations, process upsets and troubleshooting, maintenance cleaning and recovery cleaning of membranes.

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

TUITION: $165
Deadline: Dec 28, 2015

Additional Information available at
   SWOTC website: www.wrcc.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.

For more information please visit our website: www.wrcc.hawaii.edu/swotc.shtml