



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



TRAINING SESSION ANNOUNCEMENT
319 NEW AND EMERGING SECONDARY TREATMENT TECHNOLOGIES (ADVANCED)

County: County of Maui
 Location: Kihei WWRF Classroom
 480 Welakahao Road, Kihei, Maui
 Dates: **March 29 and 30, 2017**
 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: John Harrison
 Prerequisite: *Course #201 or Vol I of Ken Kerri's course*

COURSE DESCRIPTION

Day 1 will cover new technologies for old processes to both stretch capacity and optimize efficiency. Students will learn about modernizing techniques using compartmentalized biological selectors and how to turndown aeration equipment for energy conservation. Hybrid processes covered include selector activated sludge, cannibal activated sludge and vertical loop reactors. Modernization of conventional fixed film systems includes the use of moving bed media and flushing techniques to slough biosolids from biotowers. Day 2 will cover emerging processes with new technologies. Emerging technologies like submerged biological filters (SBFs) and membrane bioreactors (MBRs) do not require secondary clarifiers and eliminate the need for conventional filters to produce R-1 water. Operators will learn if these emerging processes have application at their facility. Lessons learned and case history discussions will help participants judge if emerging technologies have been adequately developed. Energy savings techniques using new aeration equipment and high speed blowers are also covered.

REGISTRATION

1. County Wastewater Treatment Plant Personnel: **TUITION: Free**
 Please submit an application form to your supervisor for approval and then fax/email to the Statewide Wastewater Training Center.
2. All Other Non-Municipal and Non-Wastewater Employees: **TUITION: \$110**
 Please mail application form and tuition directly to the Statewide Wastewater Training Center. Check payable to: RCUH.

Mail to: Statewide Wastewater Operator Training Center
 University of Hawaii, water Resources Research Center
 2540 Dole Street, Holmes Hall 283
 Honolulu, Hawaii 96822

Fax: 808-956-5014 Email: uhwwtrainingcenter@gmail.com **Deadline: Mar 24, 2017**

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.