



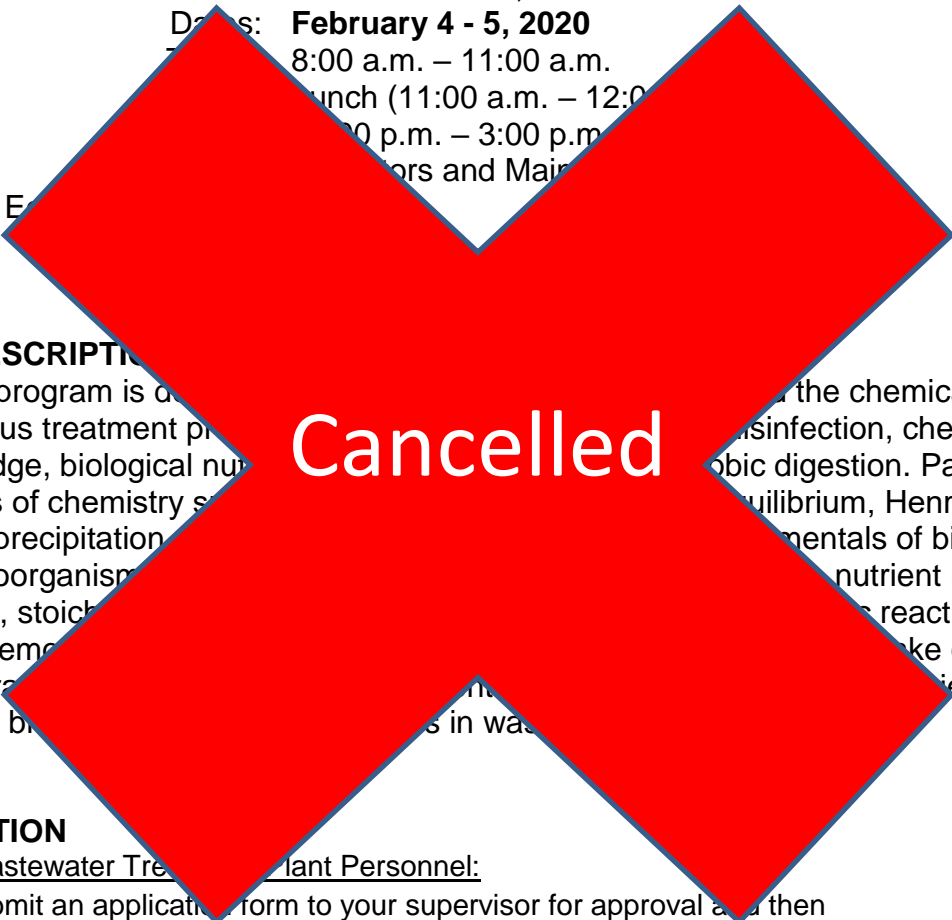
STATEWIDE WASTEWATER OPERATOR TRAINING CENTER
 WATER RESOURCES RESEARCH CENTER, UNIVERSITY OF HAWAII
 HONOLULU, HAWAII



TRAINING SESSION ANNOUNCEMENT
317 FUNDAMENTALS OF BIOLOGY AND CHEMISTRY

County: County of Hawaii – Hilo
 Location: Hilo WWTP Classroom
 150 Kekuanaoa, Hilo Hawaii

Dates: **February 4 - 5, 2020**
 8:00 a.m. – 11:00 a.m.
 Lunch (11:00 a.m. – 12:00 p.m.)
 1:00 p.m. – 3:00 p.m.
 Topics: Fundamentals and Maintenance



COURSE DESCRIPTION

This training program is designed to provide the chemical and biological basis of various treatment processes including disinfection, chemical odor control, activated sludge, biological nutrient removal, and anaerobic digestion. Part 1 covers the fundamentals of chemistry such as chemical equilibrium, Henry's Law, coagulation, precipitation, and the fundamentals of biology such as types of microorganisms, nutrient requirements, bacteria yield, stoichiometry, and chemical reactions. biological phosphorus removal, chemical phosphorus reactions, biological phosphorus removal, chemical phosphorus reactions, start-up, operation, and maintenance of phosphorus, chemical and biological phosphorus reactions, and a brief overview of chemical and biological phosphorus reactions in wastewater treatment.

REGISTRATION

- 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.
- 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: Jan 31, 2020**

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.