



STATEWIDE WASTEWATER OPERATOR TRAINING CENTER
STATE DEPARTMENT OF HEALTH
HONOLULU, HAWAII

TRAINING SESSION ANNOUNCEMENT
276 TRICKLING FILTER SOLIDS CONTACT

County: County of Maui
Location: Kihei WWRF Classroom
480 Welakahao Road, Kihei
Dates: **May 28-29, 2014**
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: Roger Babcock
Prerequisite: *Course 101*

COURSE DESCRIPTION

This training program deals with process control in a trickling filter solids contact (TF/SC) process. TF/SC is an aerobic combined suspended growth/attached growth process which combines a trickling filter with an activated sludge process. The main concern is to make sure that the effluent meets the regulatory values for the biochemical oxygen demand (BOD) and suspended solids (SS) are less than 30 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 biotower, aeration, reaeration, 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, filter loading and recirculation rates, and mean cell retention time for analyzing plant data.

REGISTRATION *(Classes are subject to **cancellation if less than three registrations** are received by the deadline.)*

1. State and County Wastewater Treatment Plant Personnel: **TUITION: Free**
Please register as soon as possible by sending the registration form through your immediate supervisor. Supervisors will forward all registration forms to the Administrator of the Statewide Wastewater Training Center.
2. All Other Non-Municipal and Non-Wastewater Employees: **TUITION: \$110**
Please forward your registration form and check or money order payable to: State Department of Health.

Mail to:

Administrator, Statewide Wastewater Operator Training Center
State Department of Health
919 Ala Moana Blvd., Room 309
Honolulu, Hawaii 96814

Deadline*: May 21, 2014

** Registration and Payment*

EQUAL OPPORTUNITY

Any disabled person requiring special needs will be accommodated. Any disabled person requiring special assistance should contact the Administrator at 586-4294 or fax 586-4300.