



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

TRAINING SESSION ANNOUNCEMENT
251 MECHANICAL MAINTENANCE II: BEARINGS, LUBRICATION, PACKING SEALS

County: County of Hawaii – Hilo
Location: Hilo WWTP
150 Kekauanaoa, Hilo Hawaii
Dates: **March 25 and 26, 2015**
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, maintenance workers, supervisors and managers
Educational Point: 1 CEU
Instructor: Ron Hay
Prerequisite: *Knowledge of Mechanical Maintenance*

COURSE DESCRIPTION

Videotape 1 (Bearings and Lubrication) covers: introduction to bearings, disassembling and inspecting a plain journal bearing, checking the oil clearance of a plain journal bearing using a micrometer, performing a bearing contact check, checking the oil clearance of a plain journal bearing using lead wire, and assembling a plain journal bearing. Videotape 2 (Bearings and Lubrication) covers: introduction to anti-friction journal bearings, maintenance of tapered roller bearings in a gear-type speed reducer. removing the top housing from a speed reducer, removing a shaft and bearing from a gear reducer. removing the bearing inner ring from the shaft, cleaning and inspecting an anti-friction bearing, replacing and assembling the anti-friction bearing, and using a bearing puller. Videotape 3 (Bearings and Lubrication) covers: introduction to thrust bearings, tilting pad, oil film thrust bearings, disassembling a tilting pad, disassembling and inspecting the thrust bearing assembly, final assembly of a tilting pad, and bearing lubrication. Videotapes 4 and 5 (Packing and Seals) cover: removing conventional valve packing, installing conventional valve packing, removing preformed chevron packing, installing preformed Chevron packing, fabricating graphite ring packing, removing pump packing, installing pump packing, removing disassembling and inspecting a mechanical seal, and types of mechanical seals.

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*: March 18, 2015

** 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.

For more information please visit our website: <http://health.hawaii.gov/wastewater/home/sotc>