



Volunteer/Special Instructor
Background and
Information Form



Presentation Titles:

Benefits of Energy Efficient Mixing / Circulation in Partial Mix and Facultative Wastewater Ponds.

Mixing and TTHM Removal in Potable Water Tanks

Presenter: Harvey Hibl 303-887-5323 Title: US West Mgr

*SSN or Date of Birth: 12/01/1950 Emergency Contact: (Name/Phone) Dee Hibl 303-898-0514

Employer: Ixom Medora / Ixom Watercare Phone: 701-225-4495

Address: 3225 Highway 22

City/State/Zip Code: Dickinson, ND 58601

Summary of Lesson Content:

Presentation Title for Water: Mixing and TTHM Removal in Potable Water Tanks

Summary of Lesson Content: Review of mixing methods to reduce dead zones, reduce thermal stratification, reduce loss of residual, reduce ice damage and reduce other potential water quality problems in potable / finished water storage tanks. Also, with the 2011 EPA Disinfectants and Disinfection Byproducts Rule (DBPR), review of methods for TTHM Removal available to help water treatment operators comply. Approx.. 40-50 minutes long

Presentation Title for Wastewater: Benefits of Energy Efficient Mixing / Circulation in Partial Mix and Facultative Wastewater Ponds.

Summary of Lesson Content: Benefits of Energy Efficient Mixing / Circulation in Partial Mix and Facultative Wastewater Ponds. Discuss how many Partial Mix Wastewater Pond Systems may qualify as an energy savings project where a 3rd Party Program Delivery Contractor will work with the Power Company to help the city or industrial plant submit an application for funding to offset some of the energy efficient mixing equipment capital costs. Also, discuss how energy efficient mixing / circulation can reduce short-circuiting, reduce odors, reduce organic sludge buildup and improve overall water quality while reducing energy costs in wastewater ponds. Approx.. 40-50 minutes long

Professional Background:

Professional Background – Primary Knowledge / Skills - Education:

Harvey Hibl, West U.S. Manager, is a mechanical engineer by vocation and, an applied scientist by avocation. He is one of a team of science advisors for the Ixom Watercare that develops and markets the SolarBee / GridBee tank, reservoir and reservoir circulation equipment for wastewater, freshwater and potable water applications and is helping to develop new solutions for these problems. Harvey has approx. 30 years experience in fluid handling and approx. 22 years applying the SolarBee technology.

Related Papers / instruction: Harvey Hibl has presented at various AWWA, WEF and Rural Water Assoc. Water Quality Conferences in the Western U.S. states over the last 15 years

Most Recent Papers / Instruction:

Oregon Operators Conference 2018

AWWA Short School

Equipment Needs: Powerpoint Projector, will use own MacBook Pro laptop computer.

Professional Organizations/Activities:

AWWA, WEF, IWWC

Date: 9-12-22

Course Sponsor: _____



Instructor Signature: _____ Date: 9-12-22

OESAC Approval:

Date Evaluated: _____

By: _____

UCC Community Education Approval:

Date Evaluated: _____

By: _____

Name

Title

Approved: Yes No

Approved: Yes No

*Providing your social security number is voluntary. If you provide it, UCC will use it for record-keeping only. A system ID number will be assigned to you for all tracking purposes. OESAC does not require your social security number.

Return Completed Form To: OESAC CEU Committee, 11480 SE Abby Lane, Clackamas OR 97015-8529
Phone: 503-698-8494/Email: info@oesac.com