

2 Day Wastewater Microbiology Hands on Seminar

Location: Northeast Wisconsin Technical College, 2740 W Mason St, Green Bay, WI 54307

- NWTC entrance 16 (Environmental Engineering Building) classroom/lab AG213

Dates: August 4th and August 5th, 2020.

Instructors: Dr. David Jenkins, Ryan Hennessy

CEUs: 14 hours

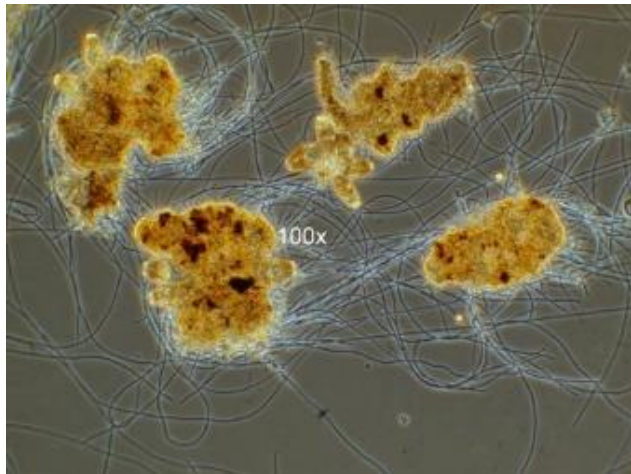
Price: \$750 per attendee

Day 1 Agenda

8:00AM-10:00AM: Activated Sludge Microbiology Lecture (David Jenkins).

10:00-10:15: Break

10:15-12:00 PM: Activated Sludge Microbiology Lecture (Ryan Hennessy).



12:00-12:30 PM Lunch

12:30-1:30PM: The phase contrast microscope; Sample preparation; Staining techniques/ Hands on viewing of samples at low power magnification (emphasis on floc structure, higher life form organisms, dispersed growth, filament abundance).

1:30-1:45: Break

1:45-4:00 PM: Microscopic examination of activated sludge samples/ Introduction to filamentous organism ID.

4:00-4:15PM: Questions/ Wrap Up.

Day 2 Agenda

8AM-4PM Microscopic examination of activated sludge samples/ filament ID. Samples will be provided for the majority of the commonly occurring filaments and other indicator organisms, activated sludge characteristics. Presentation of case histories by participants with discussion of possible remedial measures by instructors.



- Breaks: Taken as needed.

- Lunch 12:30PM to 1PM

**Participants encouraged to send a mixed liquor sample (and a foam sample, if present) from their plant for evaluation (free of cost) within 2 weeks prior to class. Findings can be discussed in class publicly with class discussion or privately with instructors. Samples will be saved for use in class. Contact rhennesy@mco-us.com for sample shipping information.*

REGISTRATION FORM

NAME: _____

TITLE: _____

UTILITY/COMPANY/ORGANIZATION: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: _____ EMAIL: _____

Email Registration Form to: rhennesy@mco-us.com