



F.S.E.A.

Post Office Box 1617, Tavares, FL 32778-1617

Dear FSEA Member:

The Florida Society of Environmental Analysts invites you to attend the Region 3 *Wet Chemistry* workshop presented by Thermo Fisher Scientific and Environmental Express. This full day workshop is being offered on Thursday, July 27, 2017 at the City of Tavares, Utility Administration Building, 1000 Captain Haynes Road, Tavares, 32778.

This interactive workshop is designed for analysts of all experience levels and will cover calibrations, maintenance, method requirements, quality control, calculations and troubleshooting. Analyses included are: pH electrodes, ion selective electrodes (fluoride, ammonia, nitrate), Total Suspended Solids (TSS), Total Dissolved Solids (TDS), and Biochemical Oxygen Demand (BOD). See detailed agenda on back.

Kathleen Boyer is with Thermo Fisher Scientific. Kathleen is a lover of all things "Science". She has been in the Water Analysis Instruments industry with Thermo Orion for 4 years covering the Southeast. She now holds the position of Water Analysis and Purification Specialist and covers both the Orion and Accumet lines of meters and electrodes, as well as the Orion Online Process Analyzers and Barnstead Water Purification Systems. Prior to working at Thermo Fisher Scientific, she was a sales rep with VWR in Nashville TN. She spent the first 6 years of her career at Vanderbilt Medical Center working in a Pediatric Cardiology lab studying congenital heart disease. She has a dual major from Virginia Tech in Animal and Poultry Sciences and Biology. She has her master's degree in Laboratory Investigation from Vanderbilt Medical School.

David Smith is with Environmental Express. David holds a Bachelor of Science degree in Chemistry from the University of South Carolina. He began his career in the environmental field as an analyst in the wet chemistry department with Shealy Environmental Services in Columbia, South Carolina. He was assigned to be the department supervisor and served in that position for 7 years. David then joined Environmental Express where he now works as the technical director. His primary roles include helping others with proper utilization of their equipment, method training, and working with product development. He has volunteered with the Standard Methods Committee since 2008.

Meeting registration may now be completed online! Please complete your registration online at <http://www.fsea.net/events>. Alternatively, you may complete the attached registration form and fax it to (941) 748-5720 or e-mail it to secretary@fsea.net. All registrations (online, forms, and fees) must be received no later than **July 19, 2017**. **Meeting fees are for current members. If your membership is not current for 2017, be sure to complete the membership portion of the registration, either online or on the form, and pay your membership fees.** This will update your membership through December 31, 2017.

Sincerely,

Donna Christopher
FSEA Region 3 Director



Region 3 Wet Chemistry Workshop
July 27, 2017

Instructors: Kathleen Boyer – ThermoFisher Scientific and David Smith – Environmental Express
Agenda

7:30 AM – 8:00 AM	Registration
8:00 AM – 08:10 AM	Course Introduction
8.10 AM – 9.45 AM	pH Electrode function, design and application Calibration Care and Maintenance Temperature Troubleshooting
09:45 AM – 10.00 AM	Break
10:00 AM – 12:00 PM	Ion Selective Electrodes – Fluoride, Nitrate and Ammonia Interferences Troubleshooting Calibration Care and Maintenance
12:00 PM – 1.00 PM	Lunch sponsored by Thermo Fisher
1:00 PM – 2:00 PM	TSS Calibration, Maintenance and Quality Control Ceramic crucibles vs. disposable Sample volume Calculations Troubleshooting
2.00 PM – 3.00 PM	TDS Calibration, Maintenance and Quality Control Sample volume Calculations StableWeight TDS Method Troubleshooting
3.00 PM – 3.15 PM	Break
3.15 PM – 5.00 PM	BOD DO Meter and Probe: Maintenance and Calibration Standard Method 5210B Sample Collection, Preservation and Handling Quality Control Documentation Troubleshooting

FSEA Region 3 Wet Chemistry Workshop Registration Form

July 27, 2017

City of Tavares Utility Administration Building
1000 Captain Haynes Road, Tavares, FL 32778

New: Register Online at <http://www.fsea.net/events>

Registration Deadline: July 19, 2017

Please be sure your membership is current before registering online, if not, sign up for membership first then you can register for the workshop.

Title (Dr./ Mr./ Ms.) _____ Last Name _____ First Name _____ M.I. _____

Employer _____

Mailing Address: Business Home Street _____

City _____ State _____ Zip _____

County _____ Telephone _____

Email _____

Fees:

Thursday, July 27, 2017 Wet Chemistry WS

FSEA Member: \$150

Non-Member: \$200*

* Non-Member Registration fee includes FSEA membership until December 31, 2017

Workshop Registration Deadline July 19, 2017

Register online at <http://www.fsea.net/events> Please be sure your membership is current before registering online, if not, sign up for membership first then register for the workshop. Or if you are registering by paper, fax or email the completed form to us and then:

- Submit your check and registration to FSEA, P.O. Box 1617, Tavares, FL 32778-1617
- Pay by Credit Card by submitting the requested information below. Fax (941) 748-5720 or Mail.
- Bill my credit card: Master Card Visa Discover American Express

Cardholder's Name (as it appears on the card) _____

Card Number _____ CVV: _____

Expiration Date (MM/YY) _____ Total Amount of Payment \$ _____

Billing Address (if different from above) _____
Street City State Zip

Cardholder's Signature _____ Today's Date _____

Membership Information if you are a new or renewing member:

Have you ever been a member of FSEA? Yes No Would you like to receive FSEA list serve notifications? Yes No

Are you a certified Drinking Water and/or Wastewater Plant Operator? Yes No License #: DW # _____ WW # _____

Employer: Commercial Utility Research Industry State Govt Other

Position: Technician Analyst Management QA Operator Other

MEMBERSHIP AGREEMENT: I certify that my statements are correct and agree that the Charter, By-Laws, and Policies of the Society will govern me, and that I will conform to the FSEA Code of Ethics. Signature: _____

FSEA reserves the right to deny membership to anyone who has by word and/or deed violated the Charter, By-Laws, or Policies of the Society, and/or the FSEA Code of Ethics.

Refund Policy: No refunds available within 2 weeks of the first day of this meeting. Written cancellation prior to that time will result in a full refund less a \$25 administrative fee.

Returned Check Policy: Any person who submits a check that is returned by the bank will be charged a \$45 fee.