



**NEW JERSEY WATER
ENVIRONMENT ASSOCIATION
PRESENTS**

**THE 2012 SPRING TECHNOLOGY
TRANSFER SEMINAR
MARCH 5 - MARCH 8, 2012**

**AT THE
SHERATON EATONTOWN
6 INDUSTRIAL WAY, EATONTOWN, NJ 732-542-6500**



***THE NJWEA
CELEBRATING OUR
100TH ANNIVERSARY
IN 2015***

**NEW JERSEY
WATER ENVIRONMENT ASSOCIATION
OFFICERS**

- Robert Sokolowski.....President
Robert C. Fischer.....President-Elect
Richard Eustace.....Vice President
Frank Hartman.....Treasurer
John J. Lagrosa.....Executive Director



IMPORTANT



The Department of Environmental Protection now requires that anyone who has failed an examination three times must take a “requalification” course prior to being admitted to the examination again. NJWEA has received approval to provide a series of courses to satisfy that requirement.

Persons needing to re-qualify S or N license exams must complete 2 days of sessions as follows:

Candidates for S 1 thru 4 and N 1 thru 4 must take the course designated S1-4, N1-4 on Monday. Then, all candidates for S1 and S2 must take the course designated S1-2 on Tuesday, while all candidates for S3 and S4 must take the course designated S3-4 on Wednesday.

After the Monday course, all N1 and N2 candidates must then take the course designated N1-2 on Tuesday, while candidates for N3 and N4 must take the course designated N3-4 on Wednesday.

Candidates for C 1 thru 4 must take the course designated C1-4 on Monday.

Then, Candidates for C1 and C2 must take the course designated C1-2 on Wednesday. Candidates for C3 and C4 must take the course designated C3-4 on Thursday.

A certificate indicating that the applicant has completed the specific re-qualification course (2 days) will be issued.

These courses are also TCH sessions applicable to License Renewal.



Attention P.E.'S



The New Jersey State Board of Professional Engineers and Land Surveyors (the Board) has suspended formal approvals of Continuing Education courses for Professional Engineers (P.E.'s) until their new regulations addressing these requirements are finalized and published. However, all P.E.'s licensed in NJ are still mandated to meet the requirements of taking continuing education courses for their license.

It is NJWEA'S understanding that the Board is allowing individuals to take which ever courses that the individual feels meets the requirements for maintaining their knowledge and experience in their engineering field of practice.

All issues that may arise on the acceptability of a course will be between the individual and the Board. The NJWEA believes that several of the courses we offer will meet the Boards standards because of the review process and administrative controls we have that each proposed course must go through before being offered to P.E.'s.

These courses include "NJPE" in the course description. NJWEA will continue to maintain records of the courses offered and the names of attendees satisfactorily completing the courses.

Monday, March 5, 2012

SESSION Ia Wastewater License Review & Re-qualification Course S 1-4, N 1-4: Day One

Course #03-01 10 02 2-0 (5.0 TCH - WW) NJWEA-DLGS-490 (5.0 Hr. Tech)

Moderator: Steve Dowhan, Senior Proj. Manager, Joint Meeting Essex & Union

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Math, RBC, Trickling Filters, Rules & Regs, Pumps & Hydraulics and Disinfection.

Monday, March 5, 2012

SESSION Ib Wastewater License Review & Re-qualification Course C 1-4: Day One

Course #03-01 10 03 2-0 (5.0 TCH - WW) NJWEA-DLGS-491 (5.0 Hr. Tech)

Moderators: Rick Eustace, Exec. Dir ., Bordentown SA

Louis Lambe, PVSC

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Licensing, sewer use ordinances, pipeline materials, appurtenances, pump stations, alternative facilities, flow, velocity, monitoring, hydraulics, pipe cleaning, CCTV, I&I, fats,

Tuesday, March 6, 2012

SESSION Ia Wastewater License Review & Re-qualification Course S 1-2: Day Two

Course #03-01 10 04 2-0 (5.0 TCH - WW) NJWEA-DLGS-492 (5.0 Hr. Tech)

Moderator: Steve Dowhan, Senior Proj. Manager, Joint Meeting Essex & Union

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Biological Treatment, Primary Treatment, Solids Handling, Stabilization Ponds, Nitrification/Denitrification, Math

Tuesday, March 6, 2012

SESSION Ib Wastewater License Review & Re-qualification Course N 1-2: Day Two

Course #03-01 10 05 2-0 (5.0 TCH - WW) NJWEA-DLGS-493 (5.0 Hr. Tech)

Moderator: Ron Suto, AQUA America

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Biological Industrial Treatment Processes, Physical/Chemical Treatment, Oil-Water Separation, pH Adjustment, Coagulation, Flocculation, Sedimentation, Chlorination, Sludge Treatment Processes, IPP Rules

Wednesday, March 7, 2012

SESSION Ia Wastewater License Review & Re-qualification Course S 3-4: Day Two
Course #03-01 10 06 2-0 (5.0 TCH-WW), NJWEA-DLGS-494 (5.0 Hr. Tech)

Moderator: Steve Dowhan, Sen. Proj. Manager, Joint Meeting Essex & Union

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Lab Procedures, Using Lab Results to Control Processes, Math, Utility Management, Sludge Digestion, Advanced Wastewater, Nutrient Removal, Odor Control

Wednesday, March 7, 2012

SESSION Ib Wastewater License Review & Re-qualification Course N 3-4: Day Two
Course #03-01 10 07 2-0 (5.0 TCH-WW), NJWEA-DLGS-495 (5.0 Hr. Tech)

Moderator: Clark Wolverton, Superintendent, East Windsor Utilities Authority

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Lab Procedures, Using Lab Results to Control Industrial treatment Processes, Lab Micro, SBRs, Enhanced Biological Treatment, Metal Waste Streams, Solids Handling, IPP Rules & Regs

Wednesday, March 7, 2012

SESSION Ic Wastewater License Review & Re-qualification Course C 1-2: Day Two
Course #03-01 10 08 2-0 (5.0 TCH-WW), NJWEA-DLGS-496 (5.0 Hr. Tech)

Moderator: Rick Eustace, Exec. Dir ., Bordentown SA

Louis Lambe, PVSC

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Plans and Specs, Trenching, Bedding & Backfill, Pumping, Hydraulics, Math, Safety, Collection System Hazards, Traffic Control, Confined Space Entry, Odors, Corrosion, Hydrogen Sulfide

Thursday, March 8, 2012

SESSION I Wastewater License Review & Re-qualification Course C 3-4: Day Two
Course #03-01 10 09 2-0 (5.0 TCH-WW), NJWEA-DLGS-497 (5.0 Hr. Tech)

Moderator: Rick Eustace, Exec. Dir ., Bordentown SA

Louis Lambe, PVSC

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Rehab & Repair of Sewer lines, Manholes, Service Laterals, pump stations, GIS, Asset Management, Record Keeping, Report Writing, Public Relations, Security Measures, math, Pumping, Hydraulics, Pump station Guidance Doc, Collection System Guidance Doc

MONDAY, MARCH 5, 2012



GENERAL SESSION

8:15 am Welcome & Opening Remarks
Fran Bonaccorso, Chairman, S&TT Committee
Robert Sokolowski, President, NJWEA

Monday, March 5, 2012

SESSION II- Tools of the Trade

Course #03-01 12 11 3-0 (5.0 TCH W & WW)

CPWM Course NJWEA-DLGS-000, 5 Hr. Tech.

Moderator: Joanne Mancuso, Twp. Parsippany-Troy Hills

Asst. Moderator: Roman Wisniewski, Maintenance Manager, JMEUC

8:30 am *Plumbing Basic's "The Do's and Don'ts"*
Roman Wisniewski, Maintenance Manager, JMEUC

9:45 am *Piping Basic's "The Comparisons"*
Roman Wisniewski, Maintenance Manager, JMEUC

10:00 am *Coffee Break (included)*

10:15 am *Basic Pump Operations – "What You Should Know"*
Dan Martens, Chesterton

11:45 am *Lunch (included)*

1:00 pm *Jet-Vac/Rodder - Basic's & Safety*
Brendan Tobin, Jet Vac

2:00 pm *Jet Vac/Rodder – General Knowledge*
Brendan Tobin, Jet Vac

3:00 pm *Session Ends*

Directions to the Sheraton Eatontown

From the Garden State Parkway take exit 105 towards Eatontown. At the first traffic light turn right onto Hope Road. and continue through the first traffic light at Shank Road. Make a left onto Industrial way and stay on Industrial way through route 35. The Sheraton Eatontown is directly on the right after route 35

As an alternate at exit 105 stay on route 36 east to route 35 south Sheraton Eatontown is on left immediately after Industrial way (take jug handle to cross route 35)

Monday, MARCH 5, 2012



SESSION III - "Hands-on" Instrumentation Workshop

Course #03-01 12 12 3-0 (5.0 TCH W & WW)

CPWM Course NJWEA-DLGS-623, 5 Hr. Tech

Moderators: Jim Wancho, PE, Paulus, Sokolowski & Sartor

Antoni Wyczesany, Joint Meeting of Essex & Union Counties

8:30 am *The In's and Out's of Clamp on Flow Metering*

Craig Cummings, Direct Sales Office Manager, Endress + Hauser

9:30 am *Advanced Control Solutions-- Increasing Pumpstation Efficiency While Minimizing Arc Flash Exposure*

Jamie Saxe, Business Development Mngr SJE-Rhombus / CSI Controls

Bryce Parkhurst, Pumping Services, Inc.

10:00 am *Coffee Break (included)*

10:45 am *Setting up and Troubleshooting Valves and Actuators*

Dave Dezzi, North East Technical Sales

11:45 am *Lunch (included)*

**1:00 pm *Calibrating & Troubleshooting Ultrasonic Flow Meters in Flumes & Channels*
Ian Morrison Field Service operator from Hach Flow**

2:00 pm *Continuous & Portable Gas Detection in Plants, Pump Stations Confined Spaces*

Jim Hampson, North East Technical Sales

Tommy Quick, Scott Safety

3:00 pm *Session Ends*



Birth of The NJWEA Sections

South Section 1st meeting...May 10, 1928

at the Merchantville-Pennsauken Sewerage Treatment Plant

North Section 1st meeting, September 1, 1938

at the Central Ave. Firehouse, Bogota

Central Section 1st meeting. May 13, 1940

at the Colonial Inn, Middlesex



Monday, March 5, 2012

SESSION IV— Authority Administration — Winter 2012

Course #03-01 12 13 3-0 (5.0 TCH WW)

CPWM Course NJWEA-DLGS-624, 1 Hr. Tech., 4 hr. Mgmt

Moderators: Soulmaz Khojasteh, Executive Director, Franklin Township S.A.

Frank Pestana, Executive Director, North Bergen MUA



8:30 am ***GIS Implementation & Case Studies***

Tom Killelea, GIS Analyst/Project Manger, CDMSmith

Jason Brennan, Vice President, CDMSmith

Howard Matteson, PE BCEE, Senior Project Manager, CDMSmith

9:30 am ***Enhancing Diversified Stakeholder Communication***

Claire Baldwin, DPS, Principal Consultant, CDMSmith

10:00 am ***Coffee Break (included)***

10:15 am ***Enhancing Diversified Stakeholder Communication – CONTINUED***

10:45 am ***Leveraging Grant Funds***

Dan O'Rourke, PG, Geologist, CDMSmith

11:45 am ***Lunch (included)***

1:00 pm ***What Makes Your Consultant Tick?***

Carroll Oliva, PE, Cerenzio & Panaro

2:00 pm ***Cyber Security – Securing Critical Control Systems***

Dick March, Project Engineer, Phoenix Contact Inc.

3:00 pm ***Session Ends***

New Jersey Water Environment Association Licensing Credit Opportunities

CPWM Hours-NJ Department of Community Affairs

4 Day Program Will Earn 20 Contact Hours/20.0 TCH

3 Day Program Will Earn 15 Contact Hours/15.0 TCH

2 Day Program Will Earn 10 Contact Hours/10.0 TCH

1 Day Program Will Earn 5 Contact Hours/5.0 TCH

To receive credits Attendees Must Sign In AND Sign Out of the Sessions

Those completing Certified Programs will receive Certificates

The NJWEA is authorized to provide credit hours for Certified Public Works Managers & Licensed Electricians

TUESDAY, MARCH 6, 2012

GENERAL SESSION

8:15 am Welcome & Opening Remarks
Fran Bonaccorso, Chairman, S&TT Committee
Robert Fischer, President-Elect, NJWEA



SESSION II - Industrial Management Session Winter 2012

Course #03-01 12 14 2-0 (5.0 TCH WW)

CPWM Course NJWEA-DLGS-625, 5 Hr. Tech

Moderator: Roger Guttschall, Process Equipment Sales

Asst. Moderator: Judy Spadone, Linden Roselle Sewerage Authority

8:30 am Case Study, Beverage Wastewater Treatment
Phillip Camerota, Ocean Spray

9:00 am Case Study, Oily Water BOOM System
Archie Ross, Dynatec

9:30 am Advanced Oxidation Pilot Studies
Barbara Shilling, Ozonia North America

10:00 am Coffee Break (included)

10:15 am Ozone Based Oxidation for Sustainable Water/Wastewater Reuse
Keel Robinson, APT Water

11:00 am A New Era of Energy Savings in Wastewater Pumping
John Corkery, PSI Process & Equipment

11:45 am Lunch (included)

1:00 pm UV Disinfection: Horizontal or Vertical Design Pros & Cons.
Dr. Dennis Green, O'Brien & Gere

1:30 pm Air Permitting Issues at Wastewater Treatment Plants
Richard Lulla, Hatch Mott MacDonald

2:00 pm NJ Transit Bus Garage Site History and Wastewater Investigation
Nick Valente, NJ Transit

2:30 pm NJ Transit Bus Garage Groundwater Treatment System Design Case
Mike Poland, Hatch Mott MacDonald

3:00pm Session Ends

Tuesday, March 6, 2012

SESSION III – Collection System O and M - Winter 2012

Course #03-01 12 15 2-0 (5.0 TCH WW)

CPWM Course NJWEA-DLGS-626, 5 Hr. Tech,

Moderators: Robert M. Noel, Special Projects / GIS Manager, WMUA

Alyson Lee, CSL Services

Jeff Cantwell, Flow Assessment Services

Dear Diary(a) – A “Collection” of Sanitary Sewer Stories

- 8:30 am *Preventive Maintenance / Establishing an Asset Management Program*
John Fletcher, Duke’s Root Control
- 9:15 am *Pipeline Capacity Assessment through Proper Flow Metering*
Phil Brenner, Hach Company
- 10:00 am *Coffee Break (included)*
- 10:15 am *A Small Borough Realizes Cost and I/I Reduction Benefits from a Regional Sewer Authority Metering Program*
P.J. Close, Kelley & Close Engineers
- 11:00 am *Welcome to Our World – The Sewer Calendar*
Jeff Cantwell, Flow Assessment Services
- 11:45 am *Lunch (included)*
- 1:00 pm *Trenchless Sewer Rehabilitation for the 21st Century*
Lisa Franke, JMT Engineering
- 1:30 pm *MCBOA Force Main Outfall Repair – A Case Study*
John McKelvey, T & M Associates
- 2:15 pm *Stumbling Blocks to Successful Measurement of Rehab Effectiveness*
Patrick Stevens, ADS / IDEX Corporation
- 3:00 pm *Session Ends*



Contact

Jack Lagrosa

Executive Director of the New Jersey Water Environment Association

P.O. Box 1212, Fair Lawn NJ 07410-1212

Phone (201) 296-0021 Fax (201) 296-0031



Tuesday EVENING, March 6, 2012 (4:30 p.m. to 6:30 p.m.)



SESSION V - Professional Engineering Ethics Workshop Winter 2012

Course #03-08 11 13 3-0 NYPE (2.0 TCH WWW)

CPWM Course NJWEA-DLGS-608 2 Hr. Ethics

CPC Credit PA/NY NJPE – 2 credit hours (NJ Approval Pending)

Moderator: Kenneth S. Stoller, P.E., B.C.E.E., Q.E.P. - Delaware River Basin Commission

Instructor: James D. Kelly, Esq., P.E. - V.P./General Counsel Boswell Engineering

Former President NJ Board of Professional Engineers and Land Surveyors

Topics Covered:

- Fundamental Ethics Theories
- Basic Concepts
- Typical Engineering Codes of Ethics
- Licensure Requirements
- Review of Moral Reasoning and Dilemmas
- Standards and Laws
- Concerns for Safety and Risk
- Responsibilities and Employer Authority
- Moral Obligations
- Responsibilities to society, clients, employers and the Profession

Don't Forget!

**YOU Can Stay Over and Join Us for an Engineering Marathon!
Tuesday Evening Ethics, Wednesday P.E. Workshop, Wednesday
Evening "Getting the Numbers Right Reconciling Engineering
Estimates with Contractor's Bids"**

AND...A 5-Hour Energy Workshop on Thursday!!

**That is FOURTEEN CPC Credit Hours for
Professional Engineers (pending approval)**

Stay Over With the NJWEA!!

The Sheraton Eatontown and the NJWEA are offering a discounted room rate with a COMPLIMENTARY meal coupon.

Sunday March 4, 2012 through March 8, 2012

\$119.00 Traditional Guest Room includes Continental Breakfast for one and Dinner for one at JR's Restaurant & Lounge

(guests will receive dinner coupons upon check-in)

To make reservations to stay one, two, three or four nights with the NJWEA Call: 732-542-6500

Appetizer

Your choice of one

House Salad

Choice of Dressing

Or

Soup Du Jour

Entrée

Your Choice of one

Home Style Meatloaf

Mashed potatoes, vegetable and gravy

Chicken Parmesan

With linguine marinara

JR's Burger

Choice of cheese and French Fries

Grilled Chicken Caesar Salad

Dessert

Apple Bread Pudding

With caramel sauce

Dinner includes a non-alcoholic beverage

Education and Fellowship all Wrapped into One!!

WEDNESDAY, MARCH 7, 2012



GENERAL SESSION

8:15 am Welcome & Opening Remarks
Fran Bonaccorso, Chairman, S&TT Committee
Robert Sokolowski, President, NJWEA

SESSION II - Wastewater Operations - Winter 2012

Course #03-01 12 18 2-0 (5.0 TCH WW)

CPWM Course NJWEA-DLGS-629, 5 Hr. Tech

Moderators: John Tobia, , PE, Principal Project Manager, CH2M HILL
Steve Feller, Asst. Ops Manager, JMEUC

8:30 am *Chemical Feed and Transfer Options for Wastewater Applications*
Bill King, Sales Engineer, ProcessFlo, Inc.

9:20 am *Overview of GIS Applications for Water and Wastewater Utilities*
Andrew Rowan, PH.D., Director - Office of GIS, NJ Office of I.T.

10:15 am *Coffee Break (included)*

10:30 am *Submersible Sewage Pump Design Considerations*
Rich Fiedler, Manufacturers Representative, G.P Jager & Associates, Inc.

11:10 am *Field Service Carbon Exchanges "101"*
Zack Navarro, Technical Sales Representative, Calgon Carbon Corp.

11:45am *Lunch (included)*

1:00 pm *ORP for Chlorination and Dechlorination Control*
Rich Fiedler, Manufacturers Representative, G.P Jager & Associates, Inc.
Sal Adamo, Manufacturers Representative, G.P Jager & Associates, Inc.

2:00 pm *Ultraviolet Disinfection and Advanced Oxidation Techniques*
Chuck Royer, Outside Sales Representative, Dave Heiner Associates

3:00pm *Session Ends*



97th Annual NJWEA Conference
Bally's Atlantic City May 14-18, 2012

see www.njwea.org for more details

Wednesday, March 7, 2012

SESSION III Safety Workshop - Winter 2012

Course #03-01 12 19 3-1 (5.0 TCH-Safety)

CPWM Course NJWEA-DLGS-630, 5 Hr. Tech

Moderators: Kenneth R. Hrasdzira, PVSC Retired
Rick Stafford, Safety Officer, JEMUC

8:30 am *Working in the Zone-Covering Up To Stay Safe*

Thad J Papciak, Regional Sales Manager, Burlington Safety Lab. Inc.

9:30 am *Lockout Tagout Control of Hazardous Energy*

David Lippincott, Territory Manager, Brady Worldwide Inc.

10:15 am *Coffee Break (included)*

10:30 am *Respiratory Protection-OSHA 29 CFR 1910.34*

Harry E. Smith III, Senior Safety Consultant, Certified Health and Safety Services LLC.

11:45am Lunch (included)

1:00 p.m. *Establishing an Effective Emergency Response Plan*

Bruce D. Groves CIH, President, Emilcott Associates, Inc.

2:00 p.m. *Recent Updates to the Spill Procedures Control and Countermeasures*

Scott Hubbard CHMM, Compliance Manager, Environmental Compliance Monitoring Inc.

3:00p.m. Session Ends



Contact



Dr. Joseph Soporowski (732) 892-9279

Visit www.njwea.org for up-to-date information on seminars, conventions, mini seminars, special events and much more!

ARTICLES & ADVERTISING FOR

“NJWEA EFFLUENTS” OR “SCAN NEWSLETTER”

Wednesday, March 7, 2012



SESSION IV-

Professional Engineer Continuing Ed. Training - Winter 2012

Corrosion Control and Flanged Connections Design, Construction Contract's Front Ends, Energy Conservation, Computer Modeling within WWTPs, Solids Removal, Disinfection and Efficiency Blower Technologies

Course #03-01 12 20 2-0 PE (5.0 TCH WWW) NYPE/PAPE/NJPE

CPWM Course NJWEA-DLGS- 631 5 Hr. Tech

Continuing Professional Competency Credit NJPE Approval Pending (5.0 Hrs.)

Moderators: Manuel Ponte, P.E., ARCADIS U.S., Inc.
Michael Roy, P.E., Old Bridge MUA
Srinivas D. Gidugu, P.E., Hazen and Sawyer, P.C.
Soulmaz Khojasteh, P.E., Exec. Director, Franklin Township SA
James Wancho, P.E., Vice President, PS&S

8:30 am *Controlling Corrosion – Getting the Most from Your Design with Quality Materials*

Adam Jacoby, P.E., Hazen and Sawyer, P.C.

9:00 am *Flanged Connections in WWT Facilities – Tightening Up the Specs*

Adam Jacoby, P.E., Hazen and Sawyer, P.C.

9:30 am *Coffee Break (included)*

9:45 am *Construction Specifications – Make sure you have a good front end*

Timothy Gillen, P.E., CME Associates

10:45 am *Energy Conservation in WWT Facilities – Saving Money*

John Lewyta, P.E., Hazen and Sawyer, P.C.

11:45 am *Lunch (included)*

1:00 pm *Computer modeling of Flow Patterns in WWT Facilities – Design Analysis*

Sean Zhang, P.E., Hazen and Sawyer, P.C.

1:45 pm *NJDEP CSO Pilot Testing Program and Satellite Technologies for Solids Removal and Disinfection*

Mark Boner, P.E., Vice President, WesTech Engineering (WWETCO)

2:30 pm *Efficiency Blowers in Wastewater Treatment Facilities*

George Hubbard, Atlas Copco Compressors, LLC

Wednesday, March 7, 2012 (730 p.m. to 9:30 p.m.)

SESSION V - Professional Engineer EVENING Workshop Winter- 2012

Course #03-01 12 21 3-0 (2.0 TCH W & WW)

CPWM Course NJWEA-DLGS-632 2 Hr. Tech.

CPC Credit PA/NY NJPE – 2 credit hours (NJ Approval Pending)

Moderators: Kenneth S. Stoller, P.E., B.C.E.E., Q.E.P. - DRBC

Michael Roy, P.E., Old Bridge MUA

Srinivas D. Gidugu, P.E., Hazen and Sawyer, P.C.

James Wancho, P.E., Vice President, PS&S

Instructor: Carroll J. Oliva, PE Chief Engineer, Cerenzio & Panaro, P.C.

Topic:

Getting the Numbers Right

Reconciling Engineering Estimates with Contractor's Bids

Some discussion points that will be addressed are :

- Developing Good Sources for Estimate Preparation
- Determining the Credibility of Bidders Cost Breakdown



SAVE THE DATES

WEFTEC 2012



**85th Annual Water Environment Federation
Technical Exhibition and Conference**

**September 29 – October 3, 2012
New Orleans Convention Center
New Orleans, Louisiana**

THURSDAY, MARCH 8, 2012

GENERAL SESSION

8:15 am Welcome & Opening Remarks
Fran Bonaccorso, Chairman, S&TT Committee
Richard Eustace, Vice President, NJWEA



Thursday, March 8, 2012

Session II: Energy Workshop - Winter 2012

Course #03-01 12 22 3-0 (5.0 TCH W & WW)

CPWM Course NJWEA-DLGS-633, 5 Hr.Tech,

CPC Credit PAPE/NYPE; NJPE – 5 credit hours (NJ Approval Pending)

Co-Moderator: Peter A. Nese, Vice President, CH2M HILL

Co-Moderator: Richard C. Kunze, Director of Technical Services, OCUA

8:30 am 2011 NJ Energy Master Plan Update
Marybeth Brenner, NJ BPU

9:00 am NJ Clean Energy Programs Available to WWTPs
Ronald H. Reisman, NJ Clean Energy Program

9:45 am Coffee Break (included)

10:00 am Hackettstown MUA Clean Energy Projects
Bruce D. Smith, Executive Director, HMUA

10:35 am Lessons Learned from Green Energy Projects at the Landis WWTP
Dennis W. Palmer, Executive Director/Chief Engineer, LSA

11:10 am Biosolids as a Fuel Source, CCMUA & Par-Troy Projects
Robert Montenegro, Synagro

11:45 am Lunch (included)

1:00 pm Maximizing Energy Production from High Strength Waste Digestion
Dr. Mohammad Abu-Orf, NA Biosolids Practice Leader, AECOM Water

1:30 pm There's Money in the FOG Program - JMEUC Case Study
Joseph Bonaccorso, Project Manager, CME

2:00 pm Pretreatment of Biogas for Cogeneration Combustion
Dr. Mohammed Sidhoum, Birdsall Services Group

2:30 pm Moving Toward Net Zero Energy at WWTPs
Jay Surti, Project Manager, CH2MHILL

3:00 p.m. Session Ends

Thursday, March 8, 2012

SESSION III Maintenance Workshop - Winter 2012

Course #03-01 12 23 3-0 (5.0 TCH W&WW)

CPWM Course NJWEA-DLGS-634, 5 Hr.Tech,

Moderator: Phil Habrukowich, Ass't Plant Superintendent, PVSC

Moderator: Roman Wisniewski, Maintenance Manager, Joint Meeting



- 8:30 am Centrifuge O&M
James Hanson PE, Mgr Project Engineering, GEA Westfalia Separator
- 9:15 am Life Extension of Existing Low Voltage Power Circuit Breakers
Bill Gerhold, Switchgear Specialist, Longo Electrical-Mechanical Inc.
- 10:15 am Coffee Break (included)
- 10:30 am Coatings Used to Protect Assets in the Water & Wastewater Industries
Mitch Connor, Market Manager, Carboline Company
- 11:15 am Progressive Cavity Pump O&M
Thomas McCormick, Eastern Regional Sales Manager, Netzsch Pumps
- 11:45 pm Lunch (included)
- 1:00pm Design, Operation and Maintenance of Canon Mixers for Anaerobic Digesters
Sudhakar Viswanathan, Product Manager, Infilco Degremont Inc.
- 1:40 pm Vortex Grit Removal System Basics & Operation
William Flores, Vice President Treatment Systems, Smith & Loveless
- 2:20 pm Maintenance Repair and Operation of Chemical Safety
Bob Canfield, CRC Industries Inc.
- 3:00 pm Session Ends

Did You Know?

The NJWEA offers Thousands of Dollars worth of Scholarships and Awards annually, to Middle School Students, High School Students, Associates Degree Students, Bachelors Degree Students, Masters Degree Students and Doctorate Students.

Visit njwea.org/scholarships for more info

Thursday, March 8, 2012



SESSION IV: Supervisory Issues - Winter 2012

Course #03-01 12 24 3-0 (5.0 TCH W & WW)

CPWM Course NJWEA-DLGS- 635, 5 Hr. Mgmt

Moderators: Brian Bigler, Executive Director, Secaucus MUA

Joanne Mancuso, Senior Clerk/Admin Asst Par-Troy Hills SA

8:30 am Accident Investigation: This topic will be presented by a claims investigator and will cover all aspects of accident investigation from initial and proper reporting, actual event investigation, case management and proper case closure. Aspects of Worker's Compensation will also be addressed.

M.L. Donner, PERMA

9:30 am Resolving Conflict This topic deals with the ways a manager and employee resolve or fail to resolve conflict in the workplace. Topics include:

Identifying reasons for conflict to improve productivity

Understanding how conflict **can** be productive

Techniques to deal with conflict between; manager/employee; employee/employee; manager/manager; employee/customer

Analyzing your own conflict management style

Jessie Philips, Human Resources Specialist

10:00 am Coffee Break (included)

10:15 am Resolving Conflict (continued)

Jessie Philips, Human Resources Specialist

11:45 am Lunch (included)

1:00 pm Resolving Conflict (continued/conclusion)

Jessie Philips, Human Resources Specialist

3:00 pm Session Ends

MAIL TO: NJ Water Environment Association Registrar

PO BOX 737

Woodland Park, NJ 07424 Tel: (973) 239-9200 - Fax: (973) 239-9239



REGISTRANT NAME: _____

NEW MEMBER or MEMBERSHIP RENEWAL: YES ___ NO ___

NJWEA/WEF MEMBER ID # _____ REGISTRANT CERTIFIES HE OR SHE IS QUALIFIED FOR PWO MEMBERSHIP AND WORKS AS A HANDS ON OPERATOR or MAINTENANCE TECH or LAB TECH IN A SEWERAGE SYSTEM OR WATER TREATMENT PLANT SYSTEM OR COLLECTION/DISTRIBUTION SYSTEM: YES: _____ NO: _____

NOTE: THESE ARE PRE-REGISTRATION FEES - ON-SITE REGISTRANTS ADD \$12.00

"REGISTRANT MUST CHECK ALL SESSIONS THEY PLAN TO ATTEND"

Monday, March 5, 2012		
Sess. #	Description	<u>MEMBER FEE</u>
___la	Licensed Op Rev.	\$62.00
___lb	Licensed Op Rev.	\$62.00
___II	Tools of the Trade	\$62.00
___III	Hands-On Instrumentation	\$62.00
___IV	Authority Administration	\$62.00

Tuesday, March 6, 2012		
Sess. #	Description	<u>MEMBER FEE</u>
___la	Licensed Op Rev.	\$62.00
___lb	Licensed Op Rev.	\$62.00
___II	Industrial WW	\$62.00
___III	Collections System	\$62.00
___IV	Business Management	\$62.00
___V	Evening of Ethics	\$62.00

Wednesday, March 7, 2012		
Sess. #	Description	<u>MEMBER FEE</u>
___la	Licensed Op Rev.	\$62.00
___lb	Licensed Op Rev.	\$62.00
___lc	Licensed Op Rev.	\$62.00
___II	Wastewater Ops	\$62.00
___III	Safety Workshop	\$62.00
___IV	NYPE Training	\$62.00
___V	Evening Engineering	\$62.00

Thursday, March 8, 2012		
Sess. #	Description	<u>MEMBER FEE</u>
___I	Licensed Op. Rev.	\$62.00
___II	Energy Workshop	\$62.00
___III	Maintenance Workshop	\$62.00
___IV	Business Management	\$62.00

IF YOU ARE NOT A CURRENT NJWEA MEMBER YOU MUST CIRCLE ONE MEMBERSHIP CHOICE

NEW OR RENEWAL PWO MEMBERSHIP: ADD \$79.00
NEW OR RENEWAL ACTIVE MEMBERSHIP: ADD \$120.00

CREDIT CARD SURCHARGE
For payment by CC only

CREDIT CARD SURCHARGE: ADD \$5.00

Multi-day Registrants May take one Discount

MULTI DAY DISCOUNT (2 DAYS) DEDUCT: \$1.00
MULTI DAY DISCOUNT (3 DAYS) DEDUCT: \$2.00
MULTI DAY DISCOUNT (4 DAYS) DEDUCT: \$3.00

PAYMENT AMOUNT DUE: (SUM & ENTER ON PG2) _____

SEMINAR AND TECHNOLOGY TRANSFER COMMITTEE

Chairman: Francis Bonaccorso *Asst. Superintendent, Joint Meeting Essex & Union Co.*

Brian Bigler *Executive Director Secaucus MUA*

Joseph Bonaccorso *Project Manager, CME Associates*

Steve Dowhan *Senior Project Manager, Joint Meeting of Essex & Union Counties*

James De Block *President, DeBlock Environmental Services*

Robert De Block *Vice President, DeBlock Environmental Services*

Rick Eustace *Executive Director, Bordentown Sewerage Authority*

Robert Fischer *Executive Director, Bayshore Regional Sewerage Authority.*

Phil Habrukowich *Asst. Plant Sup't Passaic Valley Sewerage Commissioners (Retired)*

Chris Hoffman, P.E. *Research Scientist I, NJDEP*

Ken Hrasdzira *PVSC (Retired)*

Richard Jenkins *Superintendent Bayshore Regional Sewerage Authority (Retired)*

Soulmaz Khojasteh *Executive Director, Franklin Twp Sewerage Authority*

Jack Lagrosa *Executive Director, New Jersey Water Environment Association*

Donna Lyons *Laboratory Supervisor, Lyons Environmental*

Rocco Maiellano *Project Manager, DeBlock Environmental Services*

Joanne Mancuso *Administrative Assistant, Twp of Parsippany-Troy Hills WWTP*

James Neville *Laboratory Director, Cape May County MUA*

Terry McHugh *Owner, All's Clear Services*

Peter A. Nese *Vice President, CH2MHILL*

James Paluch *Asst. Superintendent/ Collection System Joint Meeting Essex & Union Co.*

Henry Penley *Sup't. Old Bridge Municipal Utilities Authority (Retired)*

Donna Peteja *Laboratory Manager/IPP Coordinator Two Bridges Sewerage Authority*

Frank Pestana *Executive Director, North Bergen Municipal Utilities Authority*

Manuel Ponte *P.E., Vice President, ARCADIS US., Inc.*

Michael Roy *P.E., Old Bridge Municipal Utilities Authority*

John Schneekloth *P.E., Hatch Mott MacDonald*

Robert Sokolowski *Exec. Director, Franklin Township SA (Retired)*

Charles Theodora *Ass't. Superintendent, Bayshore Regional Sewerage Authority*

John Tobia *P.E. Senior Project Manager, CH2M HILL*

James Wancho *P.E., Vice President Paulus, Sokolowski & Sartor*

Roman Wisniewski *Maintenance Manager, Joint Meeting of Essex and Union Counties*

Faxed Registrations Must Include Credit Card or Purchase Order

Information To Receive Pre-Registration Rate

CREDIT CARDS MUST ADD A \$5.00 SURCHARGE

PRE-REG. BY MAIL MUST BE POSTMARKED BY February 29, 2012

PRE-REGISTRATION BY FAX ENDS March 3, 2012

NO CANCELLATIONS ACCEPTED AFTER February 24, 2012

Non-member Registrations will receive either a
ONE YEAR ACTIVE OR PWO MEMBERSHIP OR RENEWAL
in the NJWEA and WEF if eligible



PLEASE PRINT CLEARLY OR TYPE REG. DATE: _____

Last Name: _____

First Name: _____

Middle Initial: _____ Social Security No: XXX / XX / _____

Billing Address Is: HOME WORK (circle one)

Company Name: _____

BILLING ADDRESS: _____

City _____

State: _____ Zip _____

Phone: (____) _____ Cell: (____) _____

Fax: (____) _____ Email: _____

NJDEP Operator License No. _____ (one license only, include zeros)

Licensed Operator Classification (i.e. S1,T4, etc.) _____

PAYMENT METHOD/Check/PO/Credit Card

Please make enclosed check or voucher payable to: "N J W E A"

PAYMENT AMOUNT DUE: (From Page One) _____

Check Enclosed PO/Voucher

PO NUMBER: _____

CREDIT CARD INFORMATION:

VISA MasterCard

NAME AS IT APPEARS ON CC: _____

Card No: _____

Expiration Date: _____

CVV2 # (Last 3-digits on the signature area of the card) _____

Signature: _____

Approval # (For Office Use): _____

SUBMIT BOTH PAGES FOR REGISTRATION

PG 2 OF 2

N.J.W.E.A.

P.O. Box 1212

Fair Lawn NJ 07410-1212