



**PRESERVING &
ENHANCING NEW JERSEY'S
WATER ENVIRONMENT**

**92nd Annual Conference
and
Exhibition**

TROPICANA

CASINO AND RESORT

APRIL 30 - MAY 4, 2007

Registration Instructions

GENERAL INFORMATION

- Complete and mail entire registration form TWO PAGES – PARTS One and Two
- One form per person – photocopy form for additional registrants or download from www.njwea.org.
- Complete all information required on both form pages - PARTS One and Two
- Circle or mark with an X the appropriate fee for each registration choice.
- Total the amount due and submit the remittance fee along with the completed TWO PAGE registration form.
- Registration form must be accompanied by check, credit card number, or government purchase order.
- All payments, other than government purchase orders, must be received for deposit by the Registrar prior to April 21, 2007 or onsite Registration Rates will apply. Checks should be made payable to NJWEA in US Funds.
- Group (10 or more paid Registrants) Early Bird Registrations accepted thru March 1, 2007, contact the Registrar for details.
- All Pre-Conference Workshop and Full Conference, Non-Member/Renewals Registrations will receive One Year Active Membership in the NJWEA and WEF.
- PWO Members: Must be a hands on operators in a STP or collection system to be eligible for PWO Membership

REGISTRATION TYPES - BENIFITS:

- Full Conference
 - Attendance at Conference Sessions of your choice on Tuesday, Wednesday and Thursday, **NOT INCLUDING SPECIALTY WORKSHOPS**
 - Includes one Meet and Greet, one Grand Finale and one Closing Breakfast Ticket
 - Coffee Breaks and Exhibit Area Social Functions each day
 - Exhibit Area Luncheon Ticket on Tuesday and Wednesday
 - Exhibit Area Raffle Drawings Each Day
- One Day Registration
 - Attendance at Conference Sessions of your choice on the Registration Day, **NOT INCLUDING SPECIALTY WORKSHOPS**
 - Coffee Breaks and Exhibit Area Social Functions each day
 - Exhibit Area Luncheon Ticket for Tuesday or Wednesday registrants
 - Exhibit Area Raffle Drawings for the Registration Day
- Full Conference Spouses Social Program
 - Admittance to Exhibit Area on Tuesday, Wednesday and Thursday
 - Includes one Meet and Greet, one Grand Finale and one Closing Breakfast Ticket
 - All Spouse Events as listed in the accompanying brochure
 - Spouse Gift
 - Exhibit Area Raffle Drawings and Social Functions Each Day
- One Day Spouse Registration – Wednesday or Thursday
 - Admittance to the Exhibit Area on the Registration Day
 - All Spouse Events as listed in the accompanying brochure
 - Spouse Gift
 - Exhibit Area Raffle Drawings and Social Functions for the Registration Day

PURCHASE ORDERS

- If an original signed purchased order is required please mail purchase order and registration form to the Registrar, **DO NOT** fax.
- Purchase orders are accepted from US, State and Local governmental agencies
- Purchase orders must be approved with all authorized signatures.
- Purchase order numbers must be referenced in the payment section of the registration form

PRE-REGISTRATION DEADLINE

- Registration confirmations are not mailed to registrants.
- If registration confirmation is required, please contact the Registrar's office.
- Registrations Post Marked after April 19, 2007 or received at the NJWEA office after the close of business on April 21, 2007 will be processed at the on-site rates.
- Late registrants wishing to pay by check should use express mail, return receipt requested or by credit card using facsimile.

CANCELLATIONS

- Cancellation must be in writing. No phone calls will be accepted.
- There will be a 5% handling charge for cancellations made prior to April 21, 2007.
- Absolutely no refunds will be made after this date.

CREDENTIAL PICKUP & ONSITE REGISTRATION

- Pre-registration credentials pickup and on-site registration is located on the 4th Floor, North Tower, Tropicana Resort and Hotel, Atlantic City. See brochure for Registration Hours.
- Onsite substitutes for One Day Registrants will be charged the Onsite Registration Rate
- No substitution for Full Conference Registrants will be permitted.

REGISTRATION FORM – PART ONE

REGISTRANT NAME: _____ DATE: _____

COURSE SELECTION AND INFORMATION FORM

Pre-Conference & Specialty Workshops:

- Separate Fees are charged for each Pre-Conference/Specialty Workshop and for Conference Registrations
- Registration fees for Specialty Workshops are **NOT** included in Full Conference or One Day Conference Registrations.
- NOTE: Once registered you **MAY NOT** change sessions without prior approval of the Registrar.
- All Workshops include Coffee and Lunch Each Day
- Please check the sessions you plan to attend.

Session	Day	Start Time	End Time	Program Description	Planned Attendance
PC-1	Monday	9:00 AM	4:00 PM	Drivers Safety Program	_____
PC-2	Monday	9:00 AM	4:15 PM	GIS	_____
PC-3	Mon. & Tues.	9:00 AM	4:30 PM	WEF Local Limits & Pretreatment Training	_____
PC-4	Tuesday	8:45 AM	3:30 PM	UST Certification	_____
PC-5	Wednesday	8:30 AM	4:30 PM	Hazardous Waste, 8-Hour OSHA Program	_____

Conference Sessions:

- Session Attendance is included in Full Conference or One Day Conference Registrations.
- All Workshops include Coffee in the Exhibit Area Each Day
- Exhibit Area Luncheon is provided on Tuesday and Wednesday.
- NOTE: You **MAY** change sessions on site **if registered for that day** with prior approval of the Session Moderator.
- (NYPE) Indicates that Session attendees who complete the Session will be awarded NYPE PDHs
- (JDOW) Indicates that the Session is a “John Downes Operator Workshop”
- Please check the sessions you plan to attend.

Session	Day	Start Time	End Time	Program Description	Planned Attendance
1	Tuesday	8:30 AM	1:30 PM	Laboratory Workshop (JDOW)	_____
2	Tuesday	8:30 AM	1:30 PM	Wastewater Operators Workshop (JDOW)	_____
3	Tuesday	8:30 AM	1:30 PM	Sustain. Development & Clean Energy (NYPE)	_____
4	Tuesday	8:30 AM	4:30 PM	Infrastructure Protection	_____
5	Tuesday	1:30 PM	4:00 PM	Instructor’s Workshop	_____
6	Tuesday	2:30 PM	4:30 PM	Energy Efficiency and Alternate Sources (NYPE)	_____
7	Tuesday	2:30 PM	4:30 PM	Innovative Technology (NYPE)	_____
8	Wednesday	8:30 AM	4:00 PM	Student Session	_____
9	Wednesday	8:30 AM	4:30 PM	Professional Engineers Program (NYPE)	_____
10	Wednesday	8:15 AM	1:15 PM	Maintenance Workshop (JDOW)	_____
11	Wednesday	8:15 AM	1:15 PM	Collection Managers Workshop (JDOW)	_____
12	Wednesday	9:00 AM	12:00 PM	MABA - Biosolids Program	_____
13	Wednesday	9:00 AM	9:45 AM	Association Updates	_____
14	Wednesday	9:45 AM	10:45 AM	Regulatory Interface	_____
15	Wednesday	11:00 AM	4:00 PM	Industrial Environmental Management	_____
16	Wednesday	11:00 AM	4:00 PM	Wastewater Session 1	_____
17	Wednesday	1:30 PM	4:00 PM	Wastewater Management Planning	_____
18	Wednesday	2:00 PM	3:30 PM	I-402 Incident Management Training	_____
19	Thursday	8:00AM	12:45 PM	Industrial Operators Workshop (JDOW)	_____
20	Thursday	8:00AM	12:45 PM	Collection Operators Workshop (JDOW)	_____
21	Thursday	8:00AM	12:45 PM	Safety Workshop (JDOW)	_____
22	Thursday	8:45AM	12:30 PM	Nutrient Dynamics	_____
23	Thursday	8:45AM	12:30 PM	Wastewater 2 Part I	_____
24	Thursday	2:00 PM	4:00 PM	Wastewater 2 Part II	_____
25	Thursday	2:00 PM	4:00 PM	Disinfection of Treated Wastewater	_____

REGISTRATION FORM – PART TWO

NJWEA ANNUAL CONFERENCE, April 30 - May 4, 2007

Please complete both parts of registration form in full and mail by April 21, 2007.

Circle fee or place and X next to each registration choice and sum totals. (Calculate fees using only ONE Non-Member Fee)

PLEASE PRINT CLEARLY. A TWO PAGE REGISTRATION FORM MUST BE COMPLETED FOR EACH REGISTRANT.

NOTE: NON-MEMBER REGISTRATIONS INCLUDE ONE YEAR ACTIVE OR PWO MEMBERSHIP IN THE NJWEA AND WEF

<u>PRE-CONFERENCE REGISTRATION</u> <u>SPECIALTY REGISTRATION</u>	<u>Pre-Registration</u>		<u>On-Site Registration</u>		<u>TOTAL</u>
	Member	Non Member Or Renewal (ACTIVE)	Member	Non Member Or Renewal (ACTIVE)	
• Driver Safety	\$110.00	\$220.00	\$150.00	\$260.00	
• GIS	\$110.00	\$220.00	\$150.00	\$260.00	
• WEF Industrial Pretreatment Program	\$275.00	\$385.00	\$315.00	\$425.00	
• UST Certification	\$175.00	\$279.00	\$210.00	\$299.00	
• Hazardous Waste Seminar, 8-Hr OSHA	\$ 79.00	\$179.00	\$100.00	\$200.00	
• PWO Membership Discount <u>If Eligible</u>		-\$30.00		-\$30.00	
<u>Pre-Conference Registration Sub-Totals</u>	_____	_____	_____	_____	= _____
	A	B	C	D	= A+B+C+D

<u>CONFERENCE REGISTRATION</u>	<u>Pre-Registration</u>		<u>On-Site Registration</u>		<u>TOTAL</u>
	Member	Non Member Or Renewal (ACTIVE)	Member	Non Member Or Renewal (ACTIVE)	
• Full Registration	\$290.00	\$400.00	\$315.00	\$420.00	
• One Day Registration – Tuesday Only	\$ 50.00	\$160.00	\$100.00	\$210.00	
• One Day Registration – Wednesday Only	\$ 50.00	\$160.00	\$100.00	\$210.00	
• One Day Registration – Thursday Only	\$ 50.00	\$160.00	\$100.00	\$210.00	
• PWO Membership Discount <u>If Eligible</u>		-\$30.00		-\$30.00	
<u>Conference Registration Sub-Totals</u>	_____	_____	_____	_____	= _____
	A	B	C	D	= A+B+C+D

<u>SPOUSE REGISTRATION</u>	<u>Pre-Registration</u>	<u>On-Site Registration</u>
• Full Conference Spouses Social Program	\$150.00	\$160.00
• One Day Spouses Program - Wednesday	\$ 42.00	\$ 50.00
• One Day Spouses Program - Thursday	\$ 42.00	\$ 50.00
<u>Spouse Sub-Total Amount Due</u>	_____	_____

<u>SPECIAL EVENTS TICKETS ONLY</u>	Number	Pre-Reg. Cost	or	Onsite Cost	=	Extended Amount
Tuesday Meet & Greet	_____x	\$ 59.00	or	\$ 65.00	=	_____
Thursday Presidents Awards Luncheon	_____x	\$ 39.00	or	\$ 45.00	=	_____
Thursday Grand Finale Reception	_____x	\$ 59.00	or	\$ 65.00	=	_____
Friday Closing Session/Breakfast	_____x	\$ 16.00	or	\$ 18.00	=	_____
<u>Special Events Sub-Total Amount</u>						_____

Pre-Conference Registration Sub-Total Amount Due: _____

Conference Registration Sub-Total Amount Due: _____

Spouse Sub-Total Amount Due: _____

Special Events Sub-Total Amount Due: _____

TOTAL AMOUNT DUE: _____

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

Darlene Galbraith, Registrar NJWEA P.O. Box 233, Cedar Grove, NJ 07009

Phone (973)-239-9200 Fax (973) 239-9239

FOR ROOM RESERVATIONS PLEASE USE HOTEL ACCOMMODATION FORM ONLY.

REGISTRATION FORM

NJ Tax ID # 22-184-162

Name _____ Phone (____) _____ Fax (____) _____

Billing Address _____ City _____ State _____ Zip _____

Employer _____ E-Mail: _____

SOCIAL SECURITY NO. (For TCHs) _____ ELIGIBLE FOR PWO MEMBERSHIP: Yes _____ No _____

Badge to Read (Nick Name) _____ WEF Membership No. _____ Non-Member _____

Name of Spouse (for name badge given at exhibit area) _____ Spouse Nick Name: _____

Check No. _____ Credit Card: ____/VISA ____ MASTERCARD CARD NO. _____

EXP. DATE _____ **CVV2 #** (The last 3-digits on the signature area of the card) _____

SIGNATURE _____

CANCELLATIONS

Cancellations must be in writing. No phone calls will be accepted. A 25% charge for cancellations made prior to 04/21/07. Absolutely no refunds will be made after that date.

Lost Badge Fee \$80.00

FOR EXHIBIT OR MEMBERSHIP INFORMATION

JACK LAGROSA, Conference Manager

201-296-0021

MEET & GREET

Don't miss the Association's MEET & GREET PARTY at the Tropicana's Ballroom on Tuesday night, May 1, 2007. It's always a great way to see your old friends and meet new ones. Our "Caribbean Night" theme will be complimented by the Tropicana's mouth-watering cuisine. Attire is casual, New Jersey style or as they do in the Islands. Either way, slow down your pace and relax the Caribbean way at this year's Meet & Greet Party.

THURSDAY EVENING ENTERTAINMENT

Don't forget to bring your dancing shoes to this year's Grand Finale on Thursday evening, May 3, 2007. The Conference Committee is pleased to announce that its entertainment choice for 2007 is a high energy and interactive event hosted by:

Dancing D.J.'s *Outrageous Entertainment*

Make your reservations early for another smash Grand Finale. The professionals at *Dancing D.J.'s* are totally committed to making our event a great success. The Tropicana and Atlantic City becomes the perfect backdrop for this troupe's high energy format. So, for the party you wish would never end, join us at the 2007 Grand Finale.

THE CONFERENCE PROGRAM AND LOGISTICS WERE MADE POSSIBLE THROUGH THE EFFORTS OF THE FOLLOWING NJWEA COMMITTEES

COMMITTEE

Executive
Awards
Biosolids
Conference Management
Education Advisory
Site Remediation
Industrial Environmental Quality
Laboratory
Membership
Program
Publications
Public Education
Safety
Collection Systems
Op Challenge Team Liaison
Scholarships Awards
Special Programs
Innovative Technology

CHAIRPERSON

Joe Bonaccorso
Blake Maloney
Rebecca Manis
Jack Lagrosa
Joseph Bonaccorso
Joe Fallon
Russell Johnson, P. E.
Donna Lyons
Rocco Maiellano
Robert A. Pennington, P.E.
John Manganaro
Tom Meholic
Ken Hrasdzira
James Paluch
Michelle Geisinger
Dr. Peter Strom
Kenneth Stoller, P.E.
James DeBlock

CONFERENCE ACTIVITIES INCLUDE

(LOOK INSIDE FOR THE FULL PROGRAM OF ACTIVITIES AND MORE DETAILS)

TUESDAY, May 2

- Coffee Breaks/TV Raffle in Exhibit Areas
- Lunch in Exhibit Areas
- Afternoon Wine & Cheese Party in Exhibit Areas

WEDNESDAY, May 3

- Coffee Breaks/TV Raffle in Exhibit Areas
- Lunch in Exhibit Areas
- Beef & Brew & Turkey Stations in Exhibit Areas

THURSDAY, May 4

- Prayer Breakfast -
- (call Peter Nese 732-269-4500 x 8274)
- Coffee Breaks/TV Raffle in Exhibit Areas
- NJWEA President's Award Luncheon
- Association Business Meeting

FRIDAY, May 5

- Breakfast Buffet - TV Raffle

The 30th Annual NJWEA Golf Outing

Date: Tuesday May 1, 2007

Place: Mays Landing Golf Club

Tee Off: 9:00 am Shotgun Start-Scramble Format

Carts Mandatory & Included in Fee

Fee: \$78.00 per person

Includes Greens Fees, Carts, Driving Range, and Barbecue Lunch following golf. Golfers Hospitality Rooms, Monday Evening April 30 at the Tropicana 9:00 PM -? Golfers Breakfast (Full) at the Tropicana May 1 at 6:30 am (reservations required)

Sponsorship

Sponsorship of Tees and Greens will be \$85.00. Tournament sponsors will be \$150.00. Sponsorship will be assigned by order of receipt. Contact Robert Genetelli at (201) 447-2660.

All sponsors will be listed on the display board by the conference registration desk and in the post conference "Effluents" magazine to provide maximum visibility to the sponsors.

Donations

Donation of door prizes and awards would be greatly appreciated. Contact Rob Genetelli at (201) 447-2660. Prizes will be awarded at lunch for the following:

- Team Prizes for 1st and 2nd Place
- Longest Drive
- Closest to the Pin

Please Reply By April 20, 2007

For Room Reservations – 1-800-THE TROP – Ask for NJWEA Group Rates

MAKE CHECKS PAYABLE TO "NJWEA" AND MAIL GOLF REGISTRATION TO:

NWBCUA, c/o Robert Genetelli, 30 Wycoff Avenue, P.O. Box 255, Waldwick, NJ 07463 NJ Tax ID # 22-184-162

Golf Registration Form

Name: _____ \$78.00 X ____ = \$ _____

Address: _____

Phone No. (____) _____

I will attend the Tropicana Breakfast _____

I would like to sponsor a _____ \$ _____

Names in your foursome: _____ Total \$ _____

Sludge Shovelers and Golden Manhole Members Registration Form

"MUST BE A MEMBER TO ATTEND"

I will attend:

Sludge Shovelers' Breakfast - Wednesday at 7:00 a.m. _____
\$16.00

Golden Manhole Society Lunch - Wednesday at 12:00 noon _____
\$22.00

Name _____ Phone (____) _____ Fax (____) _____

Address _____ City _____ State _____ Zip _____

Employer _____ Check No. _____

_____/VISA _____ MASTERCARD EXP. DATE _____

CARD No. _____ SIGNATURE _____

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

Darlene Galbraith, Registrar NJWEA, P.O. Box 233, Cedar Grove, NJ 07009

Phone (973)-239-9200 Fax (973) 239-9239

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On- Site REGISTRATION HOURS

MON. 7:30AM – 5:00 PM
 TUES. 7:30AM – 5:00 PM
 WED. 7:30AM – 4:00 PM
 THUR. 7:30AM – 2:00 PM

EXHIBIT HOURS

TUES. 10:00 AM – 5:30 PM
 WED. 10:00 AM – 5:30 PM
 THUR. 8:00 AM – 12:00 NOON

REGISTRATION COORDINATOR

DARLENE GALBRAITH – (973) 239-9200
 (973)239-9239 FAX

NJWEA OFFICERS

Joseph Bonaccorso, President
 Blake Maloney, President Elect
 Robert Sokolowski, Vice President
 Henry Penley, Acting Treasurer
 John J. Lagrosa, Executive Director

CONFERENCE CO-MANAGERS

Blake Maloney, President Elect
 Henry Penley, Acting Treasurer

PROGRAM COMMITTEE

Robert A. Pennington, PE, BCEE Chair
 James C. DeLaura, PE, Vice Chair

INDUSTRIAL COMMITTEE

Russell Johnson, P.E. Chair

SITE REMEDIATION COMMITTEE

Joe Fallon, Chair

CONFERENCE MANAGER

John J. Lagrosa – (201) 296-0021

LABORATORY COMMITTEE

Donna Lyons, Chair

COLLECTION COMMITTEE

James Paluch, Chair

MONDAY APRIL 30, 2007

**GIS Workshop – “G.I.S.” The FACTS –
 Fundamentals –Applications-Case
 Studies-Technology-Solutions**

(9:00 a.m. to 4:15 p.m.) (TCH Hrs: 5.5 W&WW)
 NJDEP Course No. 03-02 07 01 3-0
 CPWM No. NJWEA-DLGS-325 Tech. 5.5 Hrs.

Moderators:

James J. Paluch, Assistant Superintendent/Collection System
 Operations, JMEUC
 Robert M. Noel, Assistant Superintendent/GIS System
 Manager, EBSA

- 9:00 a.m. "A Staged Approach to GIS Implementation", Tim
Tiner, Civil Solutions
- 9:45 a.m. "GIS Internet & Intranet Mapping Applications",
Howard Crothers, Senior Account Representative,
ESRI, Inc.
- 10:30 a.m. BREAK
- 11:00 a.m. "Basic GPS Mapping Concepts & Pitfalls",
Michael J. Popoloski, L.S., President, Mapco, Inc.
- 12:00 p.m. Lunch
- 1:00 p.m. "GIS In The Water & Wastewater Industries",
Earl C. Schneider, P.E., Vice President, Hatch
Mott MacDonald
- 2:00 p.m. BREAK
- 2:15 p.m. "East Brunswick Sewerage Authority - Case
Study", Robert M. Noel, Ass't Sup't / GIS System
Manager, East Brunswick Sewerage Authority
- 2:45 p.m. "Franklin Township Sewerage Authority - Case
Study", David M. Gaddis, P.E., BCEE, Associate,
CDM & Stan Plante, Nat'l Practice leader / IMS,
CDM
- 3:15 p.m. "Hamilton Township Municipal Utilities Authority -
Case Study", Stephen R. Blankenship, P.E.,
Executive Director / Staff Engineer, Hamilton
Township Municipal Utilities Authority
- 3:45 p.m. "Joint Meeting of Essex and Union Counties -
Case Study", James J. Paluch, Ass't Sup't /
Collection System Operations, Joint Meeting of
Essex and Union Counties
- 4:15 p.m. CERTIFICATE DISTRIBUTION

**WEF- Local Limits and Specialized
 Pretreatment Training**

(9:00 a.m. to 4:30 p.m. Monday and Tuesday)
 6 TCH Hours per day WW
 NJDEP Course No. 03-02 07 02 2-0
 CPWM No. NJWEA-DLGS-326 Tech. 6 Hrs.

Overview and Objectives, Detailed Description of the
 methods available to calculate Local Limits for POTWs.
 Specialized subjects include handling of pretreatment
 laboratory data for compliance issues, pretreatment issues with
 mercury discharges, reclaimed water issues, emerging
 pollutants for pretreatment, pretreatment training and
 certification and pretreatment jeopardy.

Workshop Presenters: Dr. John R. Parnell, President,
 Pretreatment Solutions, Inc., Safety Harbor, FL and Ms. Martie
 Goome, Laboratory and Industrial Waste Section Supervisor,
 Greensboro, NC

The objective of this training course is to enhance the basic
 Industrial Pretreatment Program presented last year with
 specialized advanced topics. All Publicly Owned Treatment
 Works (POTWs) that have an approved Industrial Pretreatment
 Program under Federal mandate are required to review local
 limits for pollutants of concern at least every five years. This
 day long presentation offers a detailed description of the
 processes involved in revising local limits using a mass balance
 approach. Manipulation and understanding of laboratory data
 are outlined and formulae for calculating maximum allowable
 headworks loadings (MAHLs) are described. The final
 allocation methods for assigning developed local limits to
 industrial users are reviewed and the pros and cons of
 different allocation methods are discussed.

The second day long course includes some specialized topics
 which affect industrial pretreatment personnel in a variety of
 ways. Interpretation of laboratory data is essential for
 compliance issues and the complexities of laboratory
 procedures and resultant data production must be fully
 understood by pretreatment staff. Source control of mercury
 by small dischargers is of concern where discharges to surface
 water bodies are extremely stringent. The pass through of
 trace amounts of pharmaceutical and medical compounds from

92ND ANNUAL CONFERENCE

**8 – HOUR OSHA TRAINING AND
UST CERTIFICATION/RE-
CERTIFICATION PROGRAM
DEVELOPED AND SUPPORTED BY THE
NJWEA Site Remediation
Committee**

**“JOHN DOWNES WORKSHOPS”
WASTEWATER, COLLECTION, MAINTENANCE,
INDUSTRIAL, LABORATORY, AND SAFETY**

**WASTEWATER MANAGEMENT
PLANNING, NUTRIENT DYNAMICS,
DISINFECTION, BIOSOLIDS,
REUSE, SUSTAINABLE
DEVELOPMENT, CLEAN ENERGY.
CERTAIN CLASSES ON TUESDAY
AND WEDNESDAY INCLUDE
CONTINUING EDUCATION FOR
NY PE'S.**

POTWs into US waterways can have potentially devastating effects on local wildlife. The beneficial use of reclaimed water to conserve highly treated potable water for irrigation of landscape vegetation and turf often presents new problems for pretreatment programs. Training and certification for pretreatment personnel also presents problems in an economy where everyone is expected to do more with fewer resources each year. Finally, on a lighter note, interactive teaching methods by the modification of well known TV game-shows is included to illustrate ways to promote learning in a manner that differs from lengthy oral presentations.

The Advanced course is designed and recommended for environmental professionals responsible for developing and implementing the Industrial Pretreatment Program at the local level, industrial dischargers, consultants, and especially individuals with less than two years in a pretreatment program.

9:00 a.m. Introduction and Determination of Pollutants of Concern
10:30 a.m. Coffee Break
10:45 a.m. Development of the Sampling Plan
12:00 noon Lunch
1:00 p.m. Removal Efficiency Calculations
2:00 p.m. Developing the Maximum Allowable Headworks Loading
3:00 p.m. Snack/Soda Break
3:15 p.m. Maximum Allowable Industrial Loading Allocation Methods and Local Limits Updates
4:30 p.m. Training Ends

Driver Safety

(9:00 am to 4:00 pm) (TCH Hrs: 6)
NJDEP Course No. 03-02 06 03 3-1
CPWM No. NJWEA- NJWEA-DLGS-276 Tech.: 6 Hrs

Defensive Driving Classroom Instruction for Insurance Discount and/or 2 point reduction on your DMV Driving Record Safe Driving Techniques, Collision Prevention Course & Instructors Certified by N.J./National Safety Council

This is a 6 hour classroom course. Completion entitles you to remove 2 points from your N. J. DMV driving record and to a minimum 5% reduction on your car insurance costs. N.J. DMV point reduction may only be applied for once every 6 years. This is NOT the mandatory DMV point reduction class for driver improvement.

Agenda: 6-Hour Course. Total timings for each session include breaks.

9:00 a.m. Session 1: Get Defensive About It
10:00 a.m. Session 2: Making Driving Choices
11:20 a.m. Session 3: What Conditions Drive You?
12:00 Noon MID-PROGRAM BREAK
1:00 p.m. Session 3: Continued

1:40 p.m. Session 4: The Choice Is Yours
3:00 p.m. Session 5: What Are You Willing to Do?
4:00 p.m. End

TUESDAY MAY 1, 2007

Underground Storage Tanks (UST)

Certification/Recertification
(8:45 a.m. to 3:30 p.m.) (TCH Hrs: 4 W&WW)
NJDEP No. 03-01 06 13 3-0
CPWM No. NJWEA-DLGS-145a Tech.: 4 Hrs.

Moderator:

Kenneth Stoller, USEPA

Instructors:

Daniel Toder, CPG, Hatch, Mott, MacDonald
Kenneth Goldstein, P.E., Ransom Environmental

Topics Covered:

- Overview of UST Regulations
- Overview of Certification Law
- Permitting, Financial Responsibility
- Tank Systems Upgrades
- UST Closure
- UST Remediation

WEF – Local Limits and Specialized Pretreatment Training Day 2, See Monday for Session Description

(9:00 a.m. to 4:30 p.m. Monday and Tuesday)
6 TCH Hours per day WW
NJDEP Course No. 03-02 07 03 2-0
CPWM No. NJWEA-DLGS-327 Tech.: 6 Hrs

Workshop Presenters: Dr. John R. Parnell, President, Pretreatment Solutions, Inc., Safety Harbor, FL and Ms. Martie Goome, Laboratory and Industrial Waste Section Supervisor, Greensboro, NC

9:00 a.m. Understanding Laboratory Data from a Pretreatment Perspective
10:30 a.m. Coffee Break
10:45 a.m. Mercury and Pretreatment
12:00 noon Lunch
1:00 p.m. Pretreatment issues with Reclaimed Water
1:30 p.m. Emerging Pollutants in Pretreatment
2:30 p.m. Pretreatment Short Topics
3:00 p.m. Snack/Soda Break
3:15 p.m. Pretreatment Training/Certification – Innovative Approaches
4:30 p.m. Training Ends

92ND ANNUAL CONFERENCE

**8 – HOUR OSHA TRAINING AND
UST CERTIFICATION/RE-
CERTIFICATION PROGRAM
DEVELOPED AND SUPPORTED BY THE
NJWEA Site Remediation
Committee**

**“JOHN DOWNES WORKSHOPS”
WASTEWATER, COLLECTION, MAINTENANCE,
INDUSTRIAL, LABORATORY, AND SAFETY**

**WASTEWATER MANAGEMENT
PLANNING, NUTRIENT DYNAMICS,
DISINFECTION, BIOSOLIDS,
REUSE, SUSTAINABLE
DEVELOPMENT, CLEAN ENERGY.
CERTAIN CLASSES ON TUESDAY
AND WEDNESDAY INCLUDE
CONTINUING EDUCATION FOR
NY PE'S.**

Laboratory Workshop- Spring 2007

(8:30 a.m. to 1:30 p.m.) (TCH Hrs: 4 W&WW)
NJDEP No. 03-02 07 04 3-0
CPWM No. NJWEA-DLGS-328 Tech.: 4 Hrs.

Moderators:

Melissa Motyl, ECM, Inc.

Jean Manigold, RVSA

Asst. Moderator: Donna Lyons, D2L Associates, Inc.

8:30 a.m. Opening Remarks

8:45 a.m. “QC for Inorganic Chemistry Parameters”, Deb
Waller, NJDEP – Office of Quality Assurance

10:00 a.m. BREAK

11:00 a.m. “Data Integrity & Ethics”, Scott Brunk, Analytical
Laboratory Services, Inc.

11:40 a.m. “Development of a Long-Term Water Quality
Monitoring Program for the NJ Waters of the
NY/NJ Harbor”, Ashley Pengitore, Passaic Valley
Sewerage Commissioners

12:15 p.m. “Chlorine Chemistry”, Chuck Royer, Dave Heiner
Associates

1:00 p.m. “Advances in Automatic Sampling”, Chuck Royer,
Dave Heiner Associates

Wastewater Treatment Operator's Workshop – Spring 2007

(8:30 a.m. to 1:30 p.m.) (TCH Hrs: 4 WW)
NJDEP No. 03-02 07 05 2-0
CPWM No. NJWEA-DLGS-329 Tech.: 4 Hrs.

Moderators:

Russell Franks, Chief Operator, Mount Laurel Municipal Utilities
Authority

Thomas A. Laustsen, P.E., DEE, Principal Engineer, CDM

8:30 a.m. “Optimization and Improvements to Municipal
Clarifiers”, Ryan Spanton, Product Manager,
Westech Engineering Inc.

9:15 a.m. “SRT Control Enhancement for SBR Operation”,
Mark Gehring, Product Manager, ITT Industries

10:00 a.m. BREAK

11:00 a.m. “Ultraviolet Disinfection of Wastewater: Costs and
Design Considerations”, Cathy Robson, Municipal
Designer, Trojan Technologies

11:30 a.m. “Operation and Maintenance of Belt Filter Presses
and Gravity Belt Thickeners”, Wayne J. Gasper,
Service Manager, Komline-Sanderson

12:30 p.m. “Controlling the Activated Sludge Process through
Solids Control”, Jeffrey A. Williams, Executive
Director, Delran Sewerage Authority

Sustainable Development and Clean Energy

(8:30 a.m. to 1:30 p.m.) (TCH Hours: 4 W&WW)
NJDEP No. 03-02 07 06 3-0
CPWM No. NJWEA-DLGS-330 Tech.: 4 Hrs.
NY PE PDH 4 hours

Moderators:

Kelly O'Connor, P.E., Senior Project Manager, CH2M HILL
Douglas S. Johnstone, Management Consultant, CDM

8:30 a.m. “Utilizing VFDs and High Efficiency Pumps for
Energy Savings”, Bob Kluck, P.E., General
Manager, PD-IR, John Corkery, Municipal Sales
Manager, Pumping Services

9:00 a.m. “Process Control and SCADA Applications for
Increased Efficiency”, John Buesgens, Healy-Ruff
Corporation

9:30 a.m. “Watts Matter at the Joint Meeting”, Henry
Johnsen, P.E., Vice President, CME Associates

10:00 a.m. “Stamford - Preliminary Evaluation of Biosolids
Energy Conversion”, Brian Gackstatter, P.E.,
Senior Project Manager, CH2M HILL

10:30 a.m. Break

11:30 a.m. “Navigating the LEED Certification Process
Through a ‘Green’ Case Study: NYCDEP Jamaica
WPCP Improvements Construction Manager's
Office Building”, Toby Siegman, P.E., Project
Manager, Metcalf and Eddy of NY, Inc., Anupama
Sharma, R.A., LEED-AP, Project Architect, Metcalf
and Eddy of NY, Inc.

12:00 p.m. “Solar Electric Power for Water and Sewer
Utilities”, Thomas Leydon, Vice President,
Powerlight Corporation

12:30 p.m. “A Cost Effective Model of Low Impact
Development Measures as a means of Controlling
Combined Sewer Overflows”, Franco Montalto,
PhD, President, eDesign Dynamics

1:00 p.m. “The Role of Low Impact Redevelopment /
Development in Integrated Watershed
Management Planning: Turning Theory into
Practice”, Bill Cesanek, AICP, Vice President, CDM

Infrastructure Protection Planning & Response Process

(8:30 a.m. to 4:30 p.m.) (TCH Hrs: 6 W&WW)
NJDEP No. 03-02 07 07 3-0
CPWM No. NJWEA-DLGS-331 Tech.: 1, Mgmt.: 5 Hrs.

Moderator: Russ Kane, NorthTree Fire International

8:30 a.m. Introduction & Overview

9:00 a.m. The Katrina Experience, Russ Kane and Sam
Goldwater, Northtree Fire International

92ND ANNUAL CONFERENCE

**8 – HOUR OSHA TRAINING AND
UST CERTIFICATION/RE-
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NJWEA Site Remediation
Committee**

**“JOHN DOWNES WORKSHOPS”
WASTEWATER, COLLECTION, MAINTENANCE,
INDUSTRIAL, LABORATORY, AND SAFETY**

**WASTEWATER MANAGEMENT
PLANNING, NUTRIENT DYNAMICS,
DISINFECTION, BIOSOLIDS,
REUSE, SUSTAINABLE
DEVELOPMENT, CLEAN ENERGY.
CERTAIN CLASSES ON TUESDAY
AND WEDNESDAY INCLUDE
CONTINUING EDUCATION FOR
NY PE'S.**

- 9:30 a.m. Assessing and Inventorying Vulnerability Brian Bennett PhD. Akzo Chemicals, Director Environmental Health & Safety
- 10:30 a.m. BREAK
- 10:45 a.m. Improvement Planning & Prioritization Brian Bennett PhD. Akzo Chemicals, Director Environmental Health & Safety
- 12:00 p.m. LUNCH BREAK
- 12:45 p.m. Critical Response Information Systems- Digitizing Your Facility, Paul Silveira Incident Management Support/GIS, NorthTree Fire International
- 2:15 p.m. BREAK
- 2:30 p.m. Coordinating Internal & External Response Groups, Russ Kane, QEP-Manager Industrial Planning & Preparedness Group, NorthTree Fire International
- 4:00 p.m. Review & Questions

Instructor's Workshop

(1:30 p.m. to 4:00 p.m.)

Moderators:

Joseph Bonaccorso, NJDEP Advisory Committee
Christian Hoffman, Operator Licensing Board, NJDEP

Energy Efficiency and Alternate Sources

(2:30 p.m. to 4:30 p.m.) (TCH Hrs: 2 W&WW)

NJDEP No. 03-02 07 08 3-0

CPWM No. NJWEA-DLGS-332 Tech.: 2 Hrs.

NY PE PDH: 2 Hrs.

Moderators:

Douglas S. Johnstone, Management Consultant, CDM
Kelly O'Connor, P.E., Project Manager, CH2M Hill

- 2:30 p.m. "A Case Study: Cogeneration Using Biogas as the Primary Fuel", Dominick Aiello, President & CEO, Metro Energy Solutions
- 3:00 p.m. "Power Purchase Agreements for Solar Energy Systems", Bruce Curtis, P.E., LEED, Dome-Tech Solar
- 3:30 p.m. "Improving Energy Efficiency and Effluent Quality and Reducing Operating Costs by Controlling Nitrification and Denitrification through Operational Modifications", Joe R. Tamburini, Sr. Engineer, Rothberg, Tamburini & Winsor
- 4:00 p.m. "The Real Cost and Operational Advantages of Solar Photovoltaics for Water and Wastewater Facilities", Dr. Chris Sherring, VP and Director of National Accounts, WorldWater & Power Corp.

Innovative Technology Forum - 2007

(2:30 p.m. to 4:30 p.m.) (TCH Hrs: 2 WW)

NJDEP No. 03-02 07 09 3-0

CPWM No. NJWEA-DLGS-333 Tech.: 2 Hrs.

NY PE PDH: 2 Hrs.

Moderators:

Robert R. Bendlin, President, Bendlin Incorporated
Stephen Rozewski, Associate, Bendlin Incorporated

2:30 p.m. "Bio-scrubber Technology. Biotrickling Filters to Treat High Strength Odor Emissions"

Jack Granas, Biofilter Sales Manager, Shaw Environmental & Infrastructure, Inc.

3:00 p.m. "Putting the Squeeze on Filtration, An Innovative Filter Design for Severe Applications", Mervyn Bowen, N.E. Regional Manager Degremont

Technologies, Infilco Degremont

3:30 p.m. "Grinding at the Headworks and for Sludge Material", John Fitzgerald, Regional Sales Manager, Franklin Miller Inc.

4:00 p.m. "Weir Cleaning for Clarifiers and Thickeners; Problems and Solutions", Scott Perry, National Sales Director, Ford Hall Co.

WEDNESDAY MAY 2, 2007

Student Session

(8:30 a.m. to 4:00 p.m.)

Moderators:

Peter F. Strom, Professor, Dept. Environmental Sciences, Cook College, Rutgers University, Diane Trainor, Associate Professor Chemistry Department, Middlesex County College

8:30 a.m. "Registration and Orientation": Coffee and Danish, Seaside Room, South Tower

9:00 a.m. "Association/Regulatory Updates, Keynote Speakers" - General Session Presentation of Scholarship Awards

11:00 a.m. Choose from available presentations

12:00 p.m. Lunch - Exhibits - on your own

12:00 p.m. "Student Poster Session", Exhibit Area

Moderator: Christopher Uchrin, Professor Dept. Environmental Sciences, Cook College, Rutgers University

2:00 p.m. "Special Student and Young Professionals Reception," Poster Awards, gifts

"Welcome": Joe Bonaccorso, President, NJWEA

"WEF Program: Opportunities for Professional Service and Leadership", J. Michael Read, Immediate Past President, Water Environment Federation

"Careers in the Environmental Field"

92ND ANNUAL CONFERENCE

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NY PE'S.**

NJWEA members will be present to discuss a variety of careers in the environmental field with students individually or in small groups
4:00 p.m. General Conference Reception - Exhibit Area

9:00 a.m. “Advantages of Fuel Additives (Diesel, Gas, Fuel Oil)”, Michael Bradley, Sales Representative, Lubemaster Equipment Protection
10:00 a.m. Break
11:00 a.m. “O & M of Moyno Progressing Cavity Pumps”, Sam Rothwell, Sales Representative, Hisco Pump Inc.
11:45 a.m. “O & M of Actuators (Valve and Sluice Gates)”, Mike Rooney, Regional Manager, EIM Controls / Metro Valve & Actuation
12:30 p.m. “O & M of Plant Valves”, Roman Wisniewski, Plant Maintenance Manager, Joint Meeting of Essex & Union Counties

Professional Engineer's Program - 2007

(8:30 a.m. to 4:30 p.m.) (TCH Hrs: 6 WW)

NJDEP No. 03-02 07 10 2-0

CPWM No. NJWEA-DLGS-334

NY PE PDH 6 hours Tech.: 6 Hrs.

Moderators:

Manuel Ponte, P.E., Vice President, Jacobs-BBL

Thomas A. Laustsen, P.E., BCEE, Principal Engineer, CDM

8:30 a.m. “Assessing the Impacts of Membrane Residuals on Wastewater Treatment Facilities and Effluent Quality”, Alan Rimer, Black and Veatch Corporation

9:15 a.m. “Optimization and Improvements to Municipal Clarifiers”, Ryan Spanton, Product Manager, Westech Engineering Inc.

10:00 a.m. “Carbon Augmentation for BNR: Alternate Carbon Substrate Sources for Achieving Low Nitrogen and Phosphorus Limits” Christine deBarbadillo, Director of Wastewater Treatment Technology, Black and Veatch Corporation

10:30 a.m. “Biological Nutrient Removal: Where We Have Been, Where Are We Going?” James L. Barnard, Ph.D., BCEE, Global Practice and Technology Leader, Black and Veatch Corporation

11:30 a.m. Lunch Break

1:15 p.m. “Key Factors for Designing Membrane Bioreactors for Nutrient Removal”, Deo Phagoo, Director North East US, ZENON Membrane Solutions

2:15 p.m. “Evolution of New York City's Nitrogen Control Program”, Louis Carrio, P.E., Chief, Division of Laboratories, NYCDEP

3:15 p.m. “Sealing System Technology for Municipal Pumps”, Jeffrey Taylor, Northeast OEM Regional Sales Manager, A.W. Chesterton

Collection Systems Manager's Workshop “Ex(Sewer)cism – Leave This Pipe!

(8:15 a.m. to 1:15 p.m.) (TCH Hrs: 4 WW)

NJDEP No. 03-02 07 12 2-0

CPWM No. NJWEA-DLGS-336 Mgmt.: 4 Hrs.

Moderators:

James J. Paluch, Assistant Superintendent / Collection System Operations, JMEUC

Jeff Cantwell, Northeast Region Manager, Teledyne Isco, Inc.

8:15 a.m. “Interceptor Cleaning To Minimize SSO's”, James D. McGregor, P.E., Consultant, Hatch Mott MacDonald

9:00 a.m. “Force Main / Water Main Pipeline Pigging”, Rex Murphy, Montauk Services, Inc.

9:45 a.m. “FOG Management Technologies - Part 1” Ed Miles, Vice President, Eco Plus, Inc.

10:15 a.m. EXHIBIT AREA / BREAK

11:15 a.m. “FOG Management Technologies - Part 2”, Ed Miles, Vice President, Eco Plus, Inc.

11:45 a.m. “Reducing I/I Through Effective Manhole Rehabilitation”, Tim Moody, Owner, Moody's Municipal Marketing LLC

12:30 p.m. “Methods of Root Removal and Control”, Mark A. Reynolds, Municipal Sales, Inc.

1:15 p.m. CERTIFICATE DISTRIBUTION

Maintenance Workshop – Spring 2007

(8:15 a.m. to 1:15 p.m.) (TCH Hrs: 4 W&WW)

NJDEP No. 03-02 07 11 3-0

CPWM No. NJWEA-DLGS-335 Tech.: 4 Hrs.

Moderators:

Roman Wisniewski, Plant Maintenance Manager-Joint Meeting of Essex & Union Counties

Lance Salerno, Principal Consultant, Malcolm Pirnie

8:15 a.m. “Proper Selection of Lubricants and Greases”, Michael Bradley, Sales Representative, Lubemaster Equipment Protection

Biosolids Session – Spring 2007

(9:00 a.m. to 12:00 p.m.) (TCH Hrs: 3 WW)

NJDEP No. 03-02 07 13 2-0

CPWM No. NJWEA-DLGS-337 Tech.: 3 Hrs.

Moderators:

William E. Toffey, Ex Dir, Mid-Atlantic Biosolids Association

Vin Rubino, P.E., Vice-President, CH2MHill

9:00 a.m. “Advances in Biogas Production and Use in Municipal and Industrial Wastewater Treatment”, Vicky Wong, M.S., Princeton Energy Systems

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- 9:30 a.m. “What We Know and Don't Know: The Science of Pathogen and Vector Attraction Reduction”, Stephen Dentel, Ph.D., Professor, Civil Engineering, University of Delaware
- 10:00 a.m. “Product Stewardship: The Next Step in Source Control for Biosolids Quality?”, Scott Cassel, Executive Director, Product Stewardship Institute
- 10:30 a.m. “The State of Biosolids in New Jersey”, Tim Douth, Chief, Pretreatment and Residuals, New Jersey Department of Environmental Protection
- 11:00 a.m. “Beneficial Use of New Jersey Biosolids in the Mid-Atlantic Region”, William E. Toffey, Executive Director, Mid-Atlantic Biosolids Association
- 11:30 a.m. “Combining Drying and Advanced Alkaline Stabilization: A Breakthrough Approach at Middlesex County UA”, Richard Fitamant, Executive Director, Middlesex County Utility Authority
- 12:00 p.m. Lunch for MABA Members and Guests, by prior separate reservation
- 1:30 p.m. MABA Board Meeting, open to all interested parties

Panelists will discuss the phosphorus reductions and expected water quality improvements that will result from the Passaic and Raritan River Phosphorus TMDLs. The Regulators and Regulated Community will discuss the water quality objectives and the means by which point and nonpoint source reductions can be achieved.

Panelists:

Kevin Bricke, Deputy Director, Division of Environmental Planning and Protection
United States Environmental Protection Agency, Region II
TMDLs in New Jersey: A National Perspective

James F. Cosgrove, Jr., P.E., Omni Environmental
Water Quality Objectives: What will the Passaic and Raritan Phosphorus TMDLs Achieve?

Ken Klipstein, Watershed Planning Bureau Chief
New Jersey Department of Environmental Protection
Achieving Nonpoint Source Phosphorus Reductions

Timothy D. Bradley, P.E., Metcalf and Eddy
Achieving Point Source Phosphorus Reductions

Association Updates

(9:00 a.m. to 9:45 a.m.)

- 9:00 a.m. NJWEA Update
Joseph Bonaccorso, President, NJWEA
- 9:10 a.m. Federation Address
J. Michael Read, Immediate Past President, Water Environment Federation
- 9:30 a.m. Student Scholarship Awards Program
Dr. Peter F. Strom, Professor, Rutgers University/Cook College

Regulatory Interface Session - 2007

A Panel Discussion:

**The Passaic and Raritan Phosphorus TMDLs:
What Will They Achieve and How Will They
Achieve It?**

(9:45 a.m. to 10:45 p.m.) (TCH Hrs: 1 W&WW)
NJDEP No. 03-02 07 14 3-0
CPWM No. NJWEA-DLGS-338 Gov.: 1 Hrs.

Moderators:
Thomas Amidon, Omni Environmental
Bryan Christiansen, Passaic Valley Sewerage Commissioners

Panel Discussion

Industrial Environmental Management Session – Spring 2007

(11:00 a.m. to 12:00 p.m. and 2:00 p.m. to 4:00 p.m.)
NJDEP No. 03-02 07 15 2-0 (TCH Hrs: 3 WW)
CPWM No. NJWEA-DLGS-339 Tech.: 1.5, Gov.: 1.5 Hrs.

Moderators:

Russell Johnson, Hatch Mott MacDonald
Dennis Scannell, HydroQual Inc.

11:00 a.m. “Purpose & Objective..How Far have we Come?..What Have we Accomplished?..Future Areas of Concern”, Cathy Martinson, IPP Coordinator/Lab Manager, JMEUC

Regulatory Update

- 2:00 p.m. “Everything You Want to Know about the DRBC”, Robert Tudor, Deputy Executive Director, Delaware River Basin Commission
- 2:30 p.m. “Industrial Treatment Works Approval Permitting”, Nick Horiates, Division of Water Quality, Bureau of Permit Management, NJDEP
- 3:00 p.m. “Grace Period Rules”, John Olko, Principal Environmental Specialist, Office of the Administrator, Water Compliance and Enforcement, NJDEP
- 3:30 p.m. “Emerging Contaminants – What are They and How Will They Effect Wastewater Treatment?”, Mark Greene, Ph.D, O'Brien & Gere

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Infrastructure: Analysis and Rehabilitation

(11:00 a.m. to 12:30 p.m. and 2:00 p.m. to 4:00 p.m.)
NJDEP No. 03-02 07 16 3-0 (TCH Hrs: 3.5 W&WW)
CPWM No. NJWEA-DLGS-349 Tech.: 3.5

Moderators:

Sheldon Lipke, P.E. Superintendent of Plant Operations,
Passaic Valley Sewerage Commissioners

Steve Dowhan, Sr. Project Manager, Joint Meeting EUC

11:00 a.m. “Demo or Not to Demo...That is the Dilemma”,
Charles Hurst, P.E.- Project Manager Metcalf &
Eddy- Philadelphia, Pa.

11:30 a.m. “Digester Rehabilitation at Joint Meeting”, Steve
Dowhan- Sr. Project Manager, Joint Meeting EUC-
Elizabeth, NJ

12:00 noon. “Rehabilitation of Large Diameter Process Pipe in
Unique Situation”, Steve Fangmann- Sr. Vice
President, Dvirka & Bartilucci- Woodbury, NY

12:30 p.m. Lunch Break

2:00 p.m. “Project Prioritization & Risk Mitigation Strategy”,
Thomas Schoettle, P.E.- Vice President, CDM-
Edison, NJ

Jim Mueller, P.E.- Director, Facilities Planning &
Design, NYCBEDC- Corona, NY

2:30 p.m. “Aging Electrical Infrastructure- To Upgrade or
Replace?”, Ronald W. Quade, P.E.- Manager
Eaton Electrical- Edison, NJ

3:00 p.m. “Methods for Evaluating Corrosivity & Prioritizing
Rehabilitation of Ductile Iron Piping in
Wastewater Systems”, Randy Nixon- President &
Senior Consultant, Corrosion Probe, Inc.-
Centerbrook, CT.

3:30 p.m. “Applications for Variable Frequency Drives at
Municipal Treatment Plants”, Ryan Kowalski- Sr.
Project Engineer and Ed Kowalski- Sr. Project
Engineer, Malcolm Pirnie- White Plains, NY

Wastewater Management Planning – Why Me?

(1:30 p.m. to 4:00 p.m.)

NJDEP No. 03-02 07 17 2-0 (TCH Hrs: 2.5 W& WW)

CPWM No. NJWEA-DLGS-341 Mgmt.: 1.5 Gov.: 1 Hrs.

Moderators:

Jerry J. Notte, P.E., Vice President, Regional Manager, MWH
Americas, Inc.,

William J. Muszynski, P.E. Special Projects Coordinator /
Project Review Branch Head, Delaware River Basin Commission

1:30 p.m. “Water Quality Management Rule Proposal”,
Larry Baier, Director of the Watershed
Management Division, New Jersey Department of
Environmental Protection

2:00 p.m. “Wastewater Management Planning- Lessons for
NJ from the Raritan Highlands”, Daniel J. Van
Abs, PhD, PP/AICP, Director, Watershed
Protection Program, NJ Water Supply Authority

2:30 p.m. “Wastewater Management Planning –
Washington Township MUA’s Experience”,
Thomas Horn, P.E., Executive Director,
Washington Township Municipal Utilities
Authority

3:00 p.m. “Wastewater Management Planning – Somerset
County’s Experience”, Andrew V. McCracken Sr.,
AICP/PP, Assistant Director, Somerset County
Planning Board

3:30 p.m. “Wastewater Management Planning – Passaic
Valley’s Wastewater Management Plan”, Michael
Urbanski, P.E. Passaic Valley Sewerage
Commissioners and John Rottenbucher P.E.
Bosewell McClave Engineering

3:30 p.m. “Wastewater Management Planning – Passaic
Valley’s Wastewater Management Plan”, Michael
Urbanski, P.E. Passaic Valley Sewerage
Commissioners and John Rottenbucher P.E.
Bosewell McClave Engineering

I-402 Incident Management Training For Public Officials

(2:00 p.m. to 3:30 p.m.)

NJDEP No. 03-02 07 18 3-0 (TCH Hrs: 1.5 W& WW)

CPWM No. NJWEA-DLGS-342 Mgmt.: 1.5 Hrs.

Speaker- William H. Beckett IV, Beckett Consulting

Required for all public officials by "Directive 50 from Former
Gov, Cody" & ASPD5 form President Bush

8-Hour HAZWOPER Refresher

(8:30 a.m. to 4:30 p.m.) (TCH Hrs: 8.0 Safety-W&WW)

NJDEP No. 03-01 03 04 3-1

CPWM No. NJWEA-DLGS-105 Tech. 8 Hrs.

Moderators: Scott Hubbard, CHMM, ECM, Inc.

Tom Greci, ECM, Inc.

Instructors: Scott Hubbard, CHMM, ECM, Inc.

David Twigg, JDS Uniphase

Edward Goode, AWT, Inc.

Lane Hobby, Envirent Corporate

Morning Session:

Course/OSHA HAZWOPER Overview

“What’s New with OSHA/HAZWOPER?”

Types of Hazards, Exposure Criteria Confined Space Entry

Spill Response and FE Usage

Working Lunch: “Personal Protective Equipment”

Afternoon Session:

DOT HazMat Shipping Overview

Air Monitoring Instrumentation

Respiratory Protection

HAZWOPER “Obstacle Course”

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Heat/Cold Stress
Health & Safety Review/Quiz
Respirator Fit Testing

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THURSDAY MAY 3, 2007

Nutrient Dynamics

(8:45 a.m. to 12:30 p.m.)

NJDEP No. 03-02 07 19 2-0 (TCH Hrs: 3 WW)

CPWM No. NJWEA-DLGS-343 Tech.: 3 Hrs.

Moderators:

Michael A. Dimino, P.E., Superintendent, Township of
Parsippany-Troy Hills

Kyra Hoffmann, NJDEP

8:45 a.m. Michael A. Dimino, Welcome and Session
Overview

8:55 a.m. “New Jersey Department of Environmental
Protection Statewide Perspective on Nutrient
Management”, Larry Baier, NJDEP, Director,
Division of Watershed Management

9:25 a.m. “Cost of Phosphorus Removal at Passaic Basin
Wastewater Treatment Plants”, Gary Grey,
Associate, HydroQual, Inc.

9:55 a.m. “Surface Water Quality Standards-Nationwide
Perspective”, John Hall, President, Hall &
Associates

10:15 a.m. to 11:00 a.m. Coffee Break – Visit to Exhibit Area

11:00 a.m. “Update on Rutgers University Phosphorus
Trading Project”, Christopher Obropta, PhD,
Water Resources Specialist, Rutgers Cooperative
Extension Dept of Environmental Science,
Rutgers University

11:30 a.m. “Got Nitrogen? NY/NJ Harbor Nutrient TMDL
Update”, Robin Miller, Associate, HydroQual, Inc.

12:00 p.m. “Cost Effective Nutrient Reduction at Wastewater
Treatment Plants”, Amit Pramanik, Water
Environment Research Foundation

Industrial Operator’s Workshop- Remedial Wastewater Treatment

(8:00 a.m. to 12:45 p.m.) (TCH Hrs: 4 WW)

NJDEP No. 03-02 07 20 2-0

CPWM No. NJWEA-DLGS-344 Tech.: 4 Hrs.

Moderators: Lance P. Salerno, Associate, Malcolm Pirnie
Thomas L. Patterson, President Hatch Mott MacDonald
Operating Services

Technology in Industrial Water/Wastewater Treatment Operations

8.00 a.m. “Advanced Groundwater Treatment Operations a
Case Study: The Vineland Chemical Superfund

- Site Arsenic Remediation Experience”, Steven J. Gillespie, Project Manager, Severson Environmental Inc.
- 8:30 a.m. “Upgrading Your Industrial Treatment System to Membranes? O&M Considerations for MBR, Micro and Ultrafiltration Treatment Processes”, Archie Ross, Dynatec
- 9:30 a.m. “Operational Experience with Industrial Site Soil Vapor Extraction (SVE) Systems”, Dan Bigler, President Bigler Associates
- 10:00 a.m. Break—Exhibit Area
- 10:45 a.m. “Industrial Waste Treatment Polymer Optimization”, Larry Winchell Nalco
- 11:45 p.m. “Bio-Organic Catalyst in Industrial Wastewater Treatment”, Mr. Parker Dale, President and Mr. Jay Johnston, National Sales Manager of BIO-ORGANIC CATALYST
- 12:15 p.m. “Future Options with Aerobic and Package Biological Treatment Systems”, Mr. Steven R. Smith of Smith & Loveless

Collection System Operators Workshop

(8:00 a.m. to 12:45 p.m.) (TCH Hrs: 4 WW)

NJDEP No. 03-02 07 21 2-0

CPWM No. NJWEA-DLGS-345 Tech.: 4 Hrs.

Pro-Active Pipeline Magic (It’s All Done With Smoke & Mirrors)

Moderators: James J. Paluch, Assistant Superintendent/
Collection System Operations, JMEUC and John Pampaloni, Jr.,
Supervisor, Borough of Bergenfield

- 8:00 a.m. “Smoke Testing - Procedure & Sources”, Joseph W. Suprum, Jr., V.P., Aqua Dynamic Systems, Inc.
- 8:45 a.m. “Proper Pipeline Plugging”, Justin K. Birch, Regional Sales Manager, Cherne Industries, Inc.
- 9:30 a.m. “Sewer Service Lateral Rehabilitation”, Tim Moody, Owner, Moody’s Municipal Marketing LLC
- 10:15 a.m. Break—Exhibit Area
- 11:00 a.m. “Low Pressure Sewer System History & Technology”, Scott R. Hansen, Cofounder / VP Sales, Water ReSource Sales & Service LLC
- 12:00 p.m. “Vacuum Sewer System History & Technology”, Jim Docherty, Northeast Territory Manager, AIRVAC Inc.
- 12:45 p.m. CERTIFICATE DISTRIBUTION

Advanced Wastewater Treatment and Biosolids Processing

(Part I: 8:45 a.m. to 12:30 p.m. and Part II: 2:00 p.m. to 4:00 p.m.)

Part I: NJDEP No. 03-02 07 22 2-0 (TCH Hrs: 3 WW)

CPWM No. NJWEA-DLGS-346 Tech.: 3 Hrs

92ND ANNUAL CONFERENCE

**8 – HOUR OSHA TRAINING AND
UST CERTIFICATION/RE-
CERTIFICATION PROGRAM
DEVELOPED AND SUPPORTED BY THE
NJWEA Site Remediation
Committee**

**“JOHN DOWNES WORKSHOPS”
WASTEWATER, COLLECTION, MAINTENANCE,
INDUSTRIAL, LABORATORY, AND SAFETY**

**WASTEWATER MANAGEMENT
PLANNING, NUTRIENT DYNAMICS,
DISINFECTION, BIOSOLIDS,
REUSE, SUSTAINABLE
DEVELOPMENT, CLEAN ENERGY.
CERTAIN CLASSES ON TUESDAY
AND WEDNESDAY INCLUDE
CONTINUING EDUCATION FOR
NY PE'S.**

Part II: NJDEP No. 03-02 07 23 2-0 (TCH Hrs: 2 WW)
CPWM No. NJWEA-DLGS-347 Tech.: 2 Hrs
Moderators:
Timothy D. Bradley, P.E. Metcalf & Eddy, Inc.
Jerome A. Harris, Jr., P.P, PE, Brown & Caldwell

8:45 a.m. “Enhanced Phosphorus Removal Using the CoMag Process”, Ray Pepin, P.E., Senior Engineer, Cambridge Water Technology

9:20 a.m. “The Challenges and Myths of Maintaining a 0.18 mg/L Total Phosphorus Limit”, Salil Kharkar, P.E., Manager, Process Engineering, D.C. Water and Sewer Authority

10:00 a.m. Break

10:45 a.m. “Technology Advances in the Treatment of High Ammonia Liquid Recycle Streams using the Anaerobic Ammonium Oxidation (ANAMMOX) Process”, Gregory Bowden, Ph.D., Senior Technical Specialist, Metcalf & Eddy

11:15 a.m. “Nitrogen Removal in Submerged Attached Growth Bioreactors”, Philip B. Pedros, Ph.D., P.E., Senior Process/Mechanical Engineer, F.R. Mahony & Associates

11:45 a.m. “MMBR for Nitrogen Removal”. Chandler Johnson Technical Manager AnoxKaldnes

12:30 p.m. Lunch Break

2:00 p.m. “Advances in Biosolids Digestion”, Steven K. Dentil, Ph.D., P.E., BCEE, Professor, University of Delaware

2:30 p.m. “Advanced Methods and Technologies to Achieve Drier Cake”, Mohammad Abu-Orf, Ph.D., National Biosolids Technology Leader, Metcalf & Eddy

3:00 p.m. “Lessons Learned Related to Biosolids Odors: Mechanisms to Mitigation”, Matthew Higgins, Ph.D., Associate Professor, Bucknell University

3:30 p.m. “E-Fuel from Sludge using the Slurry Carb Process”, Chris Sakorafos, EnerTech Environmental, Inc.

Safety Workshop – (Arc Flash Basic Electrical Safety)

(8:00 a.m. to 12:45 p.m.) (TCH Hrs: 4 Safety-W&WW)
NJDEP No. 03-02 07 24 3-1
CPWM No. NJWEA-DLGS-348 Tech.: 4 Hrs.

Moderators: John M. Saville, Kenneth Hrasdzira
Speaker: Howard W. Spencer, CSP, CPSI, Senior Loss Control Specialist, Commerce Risk Control Services

Basic Electrical Safety

1. Basic understanding of electrical safety
2. The effects of shock on the Human Body
3. Basic Safeguards to prevent electric shock
 - a. Protective equipment, b. Understanding grounding conductors, c. Frame Grounded Double insulated

tools, d. GFCI (Ground fault Circuit interrupters), e. Proper opening of disconnects

10:00 a.m. to 10:45 a.m. Break

NFPA 70E Overview

1. Regulatory Requirements
2. Who is covered
3. Arc Flash Potential
4. PPE Requirements / Examples
5. Non Conduction tools / Examples
6. Information sources

Video

Q&A if time allows

Disinfection of Treated Wastewater- Where Are We Today?

(2:00 p.m. to 4:00 p.m.)

NJDEP No. 03-02 07 25 2-0

CPWM No. NJWEA-DLGS-349 Tech.: 2 Hrs.

Moderators:

Michael A. Dimino, P.E., Superintendent, Township of Parsippany-Troy Hills

Karl Schreiter, Schreiter Engineering Associates

2:00 p.m. Michael A. Dimino, Welcome and Session Overview

2:05 p.m. “Fundamentals of Disinfection, Purpose and Environmental Trade Offs Rutgers University” Peter Strom, PhD, Director, Graduate Programs Department of Environmental & Natural Resource Science Rutgers University

2:40 p.m. “Flexible Disinfection Limits: Are UV Disinfection Technologies Applicable?”, Karl Scheible, Executive Vice President, HydroQual, Inc.

3:15 p.m. “Environmental and Health Risks Associated with the Use of Chlorine”, Michael Aucott, PhD, NJDEP Division of Science, Research & Technology

3:50 p.m. Questions and comments

Grand Finale Reception:

(7:00 p.m. to ???)

Dancing D.J.'s

Outrageous Entertainment – See Page 4 for More Information.

FRIDAY MAY 4, 2007

Closing Session / Breakfast Buffet
(9:00 a.m.)

Spouse's Program

*Welcome Back and Enjoy the Activities
Don't Miss the Program. We always have a good time.*

**May 1, 2007 Thru
May 3, 2007**

Tuesday, May 1, 2007
Informal get together to see what's
happening
NJWEA-Hospitality Room
1:00 PM-3:00 PM
Don't forget NJWEA Meet & Greet
Tuesday Evening

Wednesday, May 2, 2007
Continental Breakfast
Top of the Trop
8:00 AM-9:30 AM

Also Wednesday, May 2, 2007
Relax and enjoy a day trip
10:00 AM-4:30 PM

Thursday, May 3, 2007
Luncheon
Tropicana Hotel
12:00 PM-2:00 PM
Don't forget the Gala on
Thursday Evening

HOTEL REGISTRATION FORM

TROPICANA

CASINO AND RESORT

New Jersey Water Environment Association

DATES: April 29 – May 4, 2007
RATES: Single / Double Occupancy \$88.00
\$15.00 Extra per person (third...)
13% Tax
\$5.00 Occupancy Fee

Cut-Off Date: April 12, 2007

Name _____

Company/Organization _____

Address _____

City _____ State _____ Zip _____

Business Phone (_____) _____

Arrival _____ Departure _____
Day / Date Day / Date

Please reserve accommodations as noted below:

Of Rooms: Single _____ Double _____

Tropicana Reservations, P.O. Box 59, Atlantic City, NJ,
08404-0059

Or Call 1-800-the-trop and state you are with NJWEA to
get the group rates.

Reservation request received after the cut-off date will
be accepted on a space availability basis and subject to
Published hotel rates.

A deposit equal to one night's room and tax is required
to guarantee any reservation. Please send check or
money order payable to Tropicana or guarantee your
Reservation with any of the following credit cards:

Am Ex _____ Visa _____ MC _____?

Credit Card # _____

Expiration Date _____

Signature _____

Are you a Diamond Club Member? _____

Diamond Club Card # _____

Send me a Diamond Club Application Y _____ N _____