

# Environmental Laboratory Convention & Exposition

This year's theme is **Laboratory Methodology & Data Quality**. Since late fall 2010, EPA has issued updates about the possible addition of methods for several new contaminants that will effect a variety of environmental testing. At this year's convention we will include information about several of these methods that could potentially increase laboratory testing. Our Laboratory Quality Track will include data integrity issues and related topics. We will also have a full track on seminars provided by TNI. Don't miss it!!!

## PROGRAM AT A GLANCE

### MONDAY, July 25

9:00-12:00 pm	<ul style="list-style-type: none"> <li>• Traceability in the Laboratory <b>or</b></li> <li>• Quality Manual Template Workshop</li> </ul>	 <i>or</i> 	<ul style="list-style-type: none"> <li>• Changes to NELAC Proficiency Testing Regulations</li> <li>• Understanding the Basics of Quality Control</li> </ul>
12:00-1:45 pm	Lunch Keynote Speaker: "Dealing with Difficult People"		
2:00-5:30 pm	Exhibition, Technical Sessions, and Mixer <i>Hexavalent Chromium and other New Methods</i> <i>BPA &amp; Phthalates in Consumer Products</i> <i>Improvements in Sample Introduction Systems &amp; the Reduction of Operating Costs using ICPOES for Environmental Samples</i> <i>Determination of VOCs in Air</i>		<b>Lachat Instruments</b> <b>SPEX CertiPrep</b>  <b>PerkinElmer</b> <b>EST Analytical</b>
6:30-8:30 pm	Dinner and Entertainment - The Great American Magic Show		
<b>TUESDAY, July 26</b>			
9:00-2:30 pm	<ul style="list-style-type: none"> <li>• Hexavalent Chromium &amp; Perchlorate Testing</li> <li>• Continuous Monitoring in The Chesapeake Bay</li> <li>• Low Level Mercury Testing</li> <li>• Changes in NY State Asbestos Regulations</li> </ul>	 <i>or</i> 	<ul style="list-style-type: none"> <li>• Water Monitoring &amp; Protection near Gas Well Drilling</li> <li>• 2011 Method Update Rule</li> <li>• Examining the Business Case for a LIMS in an Environmental Lab</li> <li>• Ethics &amp; Data Integrity Training</li> <li style="text-align: center;">— <b>or</b> —</li> <li>• Internal Audits, Management Reviews, and Corrective Action</li> </ul>

# PROGRAM

## SUNDAY, July 24

3:00 - 6:00 p.m. **Conference Registration**

6:00 - 8:00 p.m. **New York Barbeque - BBQ Chicken and NY Strip Steak** (Reservations are required.)

## MONDAY, July 19

**Session I** **Traceability in the Laboratory** - *Marlene Moore, President, Advanced Systems, Inc.*

9:00 - 12:00 p.m. The objective of this course is to present the requirements for traceability for standards, reagents, samples, equipment and software used in the lab. The TNI Standard requires the traceability of these items to ensure compliance with the laboratory accreditation and certification programs. This course reviews techniques for traceability and the elements needed for documentation as required by the TNI Standard, State program requirements and recommendations to provide efficient operation.

*or*

**Changes to Proficiency Testing Regulations** - *Shawn Kassner, ERA*

**Session II** Many changes will be taking affect in the near future that will affect the accreditation of environmental labs. The 2009 TNI Standard has been approved and is being implemented this year. Additionally, the TNI Proficiency Testing Executive Committee has approved revisions to the Fields of Proficiency Testing tables that will take affect in 2011. Both of these changes will have significant impacts on the PT requirements for both NELAC and non-NELAC accredited labs. We will discuss the details of these changes, how they will affect labs, and what should be done to prepare for them.

9:00 - 12:00 p.m. **Understanding the Basics of Quality Control** - *Pat Chany, C<sup>2</sup> Chany Consultants*

Ever feel like everyone tells you what to do, but not how to implement it? This seminar will outline easy ways to handle the day-to-day quality control requirements of the environmental lab.

*or*

**Quality Manual Template Workshop** - *Iлона Taunton, TNI*

**Session III** The NELAC Institute (TNI) has just released a new *Quality Manual* Template designed for labs to help prepare a Quality Manual compliant to the 2009 TNI Standard. Labs can create their own *Quality Manual* by:

- using our example text
- creating their own text
- modifying our example text to reflect their particular situation, or
- deleting or labeling sections that do not apply or are not applicable.

Each attendee who chooses to purchase it, will receive a copy of the TNI Quality Manual Template a week before the training. Class time will include an overview on the use of the template and the on-line example library, a question and answer session and actual preparation of a section. Example pages from the template can be viewed on the TNI website-click on Products & Templates

12:00 - 1:45 p.m. **Keynote Speaker: Dealing with Difficult People** - *EA Sears, Workplace Communications*

This presentation will discuss the following:

- Gain an understanding of difficult people to help you communicate in a manner which meets your needs and their needs as well.
- Learn why the different generations see the world differently
- Identify the intents that drive all behavior
- Learn communication skills which will help you to deal with your difficult person

2:00 - 5:30 p.m. **Exposition, Mixer, & Educational Sessions.**

*Hexavalent Chromium and other New Methods*  
*BPA and Phthalates in Consumer Products*  
*Improvements in Sample Introduction Systems & Reduction of*  
*Operating Costs using ICPOES for Environmental Samples*  
*Determination of Volatile Organic Compounds in Air*

**Lachat Instruments**  
**SPEX CertiPrep**

**PerkinElmer**  
**EST Analytical**

6:30-8:30 p.m. **Dinner & Entertainment - The Great American Magic Show** (Reservations required)

## PROGRAM continued

**TUESDAY, July 26**

**Session 1**    **Hexavalent Chromium and Perchlorate Analysis - Myths and Mysteries Resolved -**  
9:00 - 10:00 am    *Jay Gandhi, Metrohm USA*

Have you seen the movie “Erin Brockovich”? Did you hear more recent news regarding hexavalent chromium in drinking water? Chromium is one of the essential micro nutrients required by living cells to convert fat into energy. Chromium required by living cells is supposed to be in its +3 oxidation state; however chromium in its +6 oxidation state causes health risks (for living cells, especially in humans.) In this presentation, common myths surrounding hexavalent chromium in drinking water, ground water, and wastewater will be presented. Also, a brief history along with tips and tricks of Perchlorate analysis will be presented.

10:00- 11:00 am    **A Novel Integrated Solution to Nutrient Monitoring -** *William Telliard, EPA Retired*

Nutrient monitoring for assessment of water quality threats in our streams, rivers, & estuaries is a laborious and overall costly process. Current water quality monitoring practices include grab and composite samples analyzed in a lab & multiparameter sondes placed in-situ & serviced frequently.

To overcome data gaps as a result of infrequent grab and composite sample analyses, the frequent servicing of sondes, and the inability to process results in a continuous real-time mode, a novel side stream approach was developed that integrates highly accurate probes and analyzers with real-time event monitoring and data processing. A case study will be presented with live visual monitoring of a stream and watershed network.

11:00- 12:00 pm    **Mercury Collection & Analysis in Ambient Waters & Effluents: An Historical Perspective -** *William Telliard, EPA Retired*

Method 1631 employs purging & gold amalgamation to remove mercury from the sample, & cold-vapor atomic fluorescence spectrometry (CVAFS) for the determinative step. Compared to traditional cold-vapor atomic absorption methods such as Method 245.1, Method 1631 allows dischargers, EPA, States, and Tribes to obtain far more precise information on low levels of mercury in discharges and ambient water. When combined with appropriate sample collection procedures, the method is capable of analyzing mercury in water at levels addressing the various Water Quality Criteria, and well below the levels that can be achieved by earlier methods from EPA and other organizations.

1:00 - 2:30 pm    **Changes in New York State's Asbestos Regulations -** *Representatives from the NYS Department of Health and the NYS Department of Labor*

The New York State Department of Health (DOH) and the Department of Labor (DOL) will present details regarding the new asbestos laboratory testing policies implemented by ELAP on April 1, 2011 and upcoming changes proposed to Code Rule 56 by the DOL. Topics to be covered include the following: laboratory testing changes related to PLM (friable/NOB) and PCM analysis, review and discussion of the Frequently Asked Questions (FAQ) released jointly by both Departments dated April 8, 2011, and proposed fire/life safety revisions to Industrial Code Rule 56. A question and answer session will conclude the presentation.

*or*

**Session 2**    **Water Monitoring and Protection Near Gas Well Drilling -** *Timothy Eriksen, Moody and Associates*

9:00 - 10:00 a.m.    Marcellus gas drilling activity has generated numerous questions and concerns about impacts on water resources of Pennsylvania. Unlike traditional gas well drilling in Pennsylvania, Marcellus drilling uses much larger amounts of freshwater and produces greater quantities of waste fluids. Proper drilling methods are especially important to protect the one million private water wells and springs that provide drinking water for over three million residents of the state. The location of drilling is also important to protect surface streams and groundwater, especially during high flow periods.

## PROGRAM continued

**10:00 - 11:00 am Overview of the 2011 Method Update Rule - William Lipps, OI Analytical**

The proposed rule, published in the August 23, 2010, Federal Register, includes new methods and new versions of previously approved methods. The rule includes alternative test procedures, clarifies some already approved methods, and revises sample containers, sampling requirements, and holding times of some methods (or analytes).

This presentation will highlight some of the key aspects of the proposed rule, in particular the changes, or modifications, to Table 1B and how these changes may affect you.

**11:00-12:00 pm Examining the Business Case for a LIMS in an Environmental Laboratory - Dr. Christine Paszko, Accelerated Technology Laboratories**

Many growing businesses find that their current LIMS are becoming less effective due to many issues. Advances in computer technology, have, however, leveled the playing field in that even small to mid-sized labs can afford sophisticated LIMS. These enterprise systems can accelerate turnaround times, assist client service personnel in real-time sample tracking, automated sample scheduling, and streamline reporting/invoicing & allowing client access to secure web-based result reporting.

These systems not only assist them in meeting regulatory requirements but also significantly contribute to the reduction in many tasks that were previously performed manually, expedited turnaround times, enterprise integration and increased profitability. This presentation will cover some examples of cost savings realized following deployment of a new or replacement LIMS.

**1:00 - 2:30 p.m. Ethics and Data Integrity Training - Becky Roztocil, Paradigm Environmental**

Ethics is a sensitive topic garnering increased attention in today's business arena. Laboratories are getting the spotlight, and management is well advised to approach ethics training and oversight with exaggerated attention to detail. This presentation will cover the requisite basics of laboratory ethics training and also encourage group discussion and involvement. Anyone with the responsibility for providing training to their employees will find valuable information to take back to their companies. Employees in need of ethics training will be able to get a certificate for their training records.

*or*

**Session 3**

**Internal Audits, Management Reviews, & Corrective Actions - Produced & Coordinated by Ilona Taunton, TNI**

**9:00 - 2:30 p.m.**

This course is oriented towards laboratory QA managers. This course will provide detailed guidance for laboratory QA managers employed by laboratories currently accredited to the TNI standards or seeking accreditation. This course is one of a series of courses on implementing a laboratory quality system.

**Attendees will receive a notebook OR flashdrive (bring paper for notes) unless you pay an additional \$25 for both The Quality Manual Template for Mon., Session 3 can be purchased for an additional \$95. Those purchasing the template will receive it by email a week before the convention. It also includes access to an online example library.**

## EXHIBITOR LISTING (as of 5/15/11)

Accelerated Technology Labs  
CETAC  
Environmental Express  
ERA  
EST Analytical  
Horizon Technologies  
Lachat Instruments

Macherey-Nagel, Inc.  
ManSci, Inc.  
Metrohm USA  
NSI Solutions  
PerkinElmer

Promium  
SPEX CertiPrep  
Supelco/Sigma Aldrich  
Thomas Cain, Inc.  
Thermo Fisher Scientific  
VHG Labs  
Wibby Environmental

## The Eden Area Attractions

### **Roseland Waterpark**

Family recreation in Canandaigua. Attractions include tube rides, body slides, and wave pools with heated water. The park is a five minute drive from the hotel.

<http://www.roselandwaterpark.com>

### **Canandaigua Sailboarding**

Windsurfing, Kayaks, Scuba Diving, and Hydro Bikes.

Easy walk from the Inn on the Lake.

Call: (585) 394-8150

### **New York Wine & Culinary Center**

The Center will excite, inspire and engage visitors in a celebration, understanding and appreciating New York wine and food through educational programming and partnerships. Easy walk from the Inn on the Lake.

Hands on Kitchen Class: Tapas & Sangria - The New York Way!

Tapas are small bite-sized hors d'oeuvres that are simple yet very flavorful. They are great as appetizers or as a light meal and perfect to serve when entertaining. Our menu will be paired with a refreshing glass of sangria for the perfect finish. July 24th 1pm - 3pm (\$55 per ticket)

Wine, Beer & Spirit Tastings: Open 10am - 9pm the NYWCC tasting bar provides tastings of wine, beer, and spirits from all over NY State.

Call: (585) 394-7070

### **Downtown Canandaigua**

**Over 100 unique shops, restaurants and galleries**

[www.downtowncanandagua.com](http://www.downtowncanandagua.com)

### **Wineries & Breweries**

Naked Dove Brewing Company: Beer Tastings

[www.nakeddovebrewing.com](http://www.nakeddovebrewing.com)

Arbor Hill Winery

[www.thegravery.com](http://www.thegravery.com)

Inspire Moore Winery

[www.inspiremoorewinery.com/inspire\\_moore\\_winery/home.html](http://www.inspiremoorewinery.com/inspire_moore_winery/home.html)

For more complete travel assistance, contact the Finger Lakes Visitors Connection (585) 394-3915 or visit the website at <http://www.fingerlakes.org/>

# General Information

## Registration

**Registration fees include** admission to all convention sessions, exhibits, & all meal functions. The registration fee **does not include** lodging. **A \$50 per day surcharge will be assessed anyone staying at another hotel.**

### Convention and Exposition

	Early Registration (through June 3)	Full Registration (after June 3)	Late Registration (after July 5)
<b>NYAAEL/PaAAEL/MELA/ITLA members</b>	\$439	\$489	\$519
Additional registrants from same member company	\$429	\$479	\$509
Non-members	\$499	\$569	\$599
<b>One-day Package</b>			
NYAAEL/PaAAEL/MELA/ITLA members	\$330	\$360	\$380
Additional registrants from same member company	\$320	\$340	\$370
Non-members	\$380	\$400	\$430

**Full Registration deadline** is July 5, 2011. After July 5, you must pay a late registration cost, and only a check or credit card payment will be accepted. Registration can be accomplished several ways. You can complete the enclosed form for each attendee and return it with full payment to: NYAAEL, 316 Roosevelt Street, Sayre, PA 18840; or fax your registration to (570) 882-8538. You can then call with your credit card information or mail a check. You can also go to [www.nyaael.org](http://www.nyaael.org), register, and pay with your credit card on the website. All information will be forwarded to the association office and a receipt will be emailed to you.

**Cancellation requests** must be made in writing. A \$50 administration fee will be assessed on cancellations made after July 13. Due to reservation guarantees, no refunds will be given after July 18<sup>th</sup>.

**Membership rates** will be extended to members of the Maryland Env'l Lab Association (MELA), & the Independent Testing Lab Association (ITLA). Membership information for all the associations may be requested by calling (570) 888-4768. Anyone joining either PaAAEL or NYAAEL before the conference will receive membership rates.

**Family participation** is welcome at the evening meal functions (additional charges will apply). Please indicate the total number that will attend on your registration form. This will fulfill the reservation requirement.

## Accommodations

The "*Laboratory Methodology & Data Quality*" conference will be held at the **The Inn on the Lake**, 770 South Main Street, Canandaigua, NY 14424 (585) 394-7800.

**Hotel reservations can be made by phone or mail.** Overnight room rates on July 24<sup>th</sup> & 25<sup>th</sup> for meeting & trade show participants are \$129 plus tax per night for single or double occupancy. The Inn will honor these rates for July 26<sup>th</sup> as well for those that would like to add to their trip. Please call the number above to make your reservation. Tell reservations that you are with the NY & PA Association of Environmental Labs. You will need to guarantee the room with a major credit card at the time you make the reservation.

**Family rates:** A conference attendee may share a room with their spouse and children for no extra charge. Meals are extra. Adult tickets (including ages 13 and up) for Sunday and Monday night are \$38 each, meals for children 1-5 are free, and meals for children ages 5-12 are \$8 but will be for standard children's meals.

**Reservations must be in by June 23, 2011.** After this date, the Inn will accept reservations on a space available basis only. The above mentioned rate may **NOT** apply after this date.

# REGISTRATION FORM

Return your completed registration form with payment to: **NYAAEL, 316 Roosevelt Street, Sayre, PA 18840**  
**Member's dues MUST be current to pay Member Pricing. Use separate forms for each attendee:**

Please check membership status:  NYAAEL  PaAAEL  MELA  ITLA  Non-member

Name: Mr. or Ms. \_\_\_\_\_ Fee: \$ \_\_\_\_\_

First name for badge: \_\_\_\_\_ Email: \_\_\_\_\_

Company: \_\_\_\_\_

Company address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Quality Manual Template-Mon. Session III - **\$95** \_\_\_\_\_

Special dietary/accessibility needs:  Yes Notebook: \_\_\_\_\_ Flash Drive: \_\_\_\_\_ Both - **\$25:** \_\_\_\_\_

**Payment:** \_\_\_\_\_ Enclosed is check made payable to NYAAEL. Charge my:  MC/Visa/Discover  AmEx

Cardholder name \_\_\_\_\_ Signature \_\_\_\_\_

Card no. \_\_\_\_\_ Exp. Date \_\_\_\_\_

**Sessions:** Sign-up for **either** Session I **or** II **or** III on Mon., July 25<sup>th</sup> and Tues., July 26<sup>th</sup> plus meals and exposition.

**Sunday**  Welcome Picnic by the Lake

**Monday**  Exhibition, Technical Sessions, and Mixer

**Monday**  Methodology Track **OR**

**p.m.**  Dinner/Entertnmt.: Great American Magic Show

**a.m.**  Data Track **OR**

**Tuesday**  Methodology Track **OR**

TNI Training

Data Track **OR**  TNI Training

**Noon**  Lunch - Dealing with Difficult People

Tuesday's Lunch

## HOTEL RESERVATION FORM • The Inn on the Lake - Canandaigua, NY

\$129 single/double occupancy plus tax per night.

Please complete one form per room. Reservations must be received by **The Inn on the Lake** by **June 23<sup>rd</sup>**, to guarantee the **Convention** room rate. Confirmations will be emailed by the hotel upon receipt of this reservation form only if an email address is entered below. If you call in your reservation, your email address must be given to reservations in order to receive an email confirmation. Reservations must be guaranteed with a credit card.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Number of people in room: \_\_\_\_\_ Sharing room with: \_\_\_\_\_

Children's names and ages: \_\_\_\_\_

Room Type: Single \_\_\_\_\_ Double: \_\_\_\_\_

Cardholder name: \_\_\_\_\_ Signature: \_\_\_\_\_

Credit card type: \_\_\_\_\_ Card no. : \_\_\_\_\_ Exp. Date: \_\_\_\_\_

**Arrival** date: \_\_\_\_\_ **Departure** date: \_\_\_\_\_

**Call or Mail reservation form to:** Inn on the Lake, 770 So. Main St, Canandaigua, NY 14424, Phone 585-394-7800, fax: 585-919-0234, website: [www.theinnonthelake.com](http://www.theinnonthelake.com). **Group name: NY & PA Association of Environmental Labs.**

The closest airport is in Rochester, NY.



ENVIRONMENTAL LABORATORY  
CONVENTION & EXPOSITION  
c/o NYAAEL  
316 Roosevelt Street  
Sayre, PA 18840



## ENVIRONMENTAL LABORATORY CONVENTION & EXPOSITION

July 24 - July 26, 2011

The Inn on the Lake • Canandaigua, New York

*Sponsored by*

**NYAAEL:** New York Association of Approved Environmental Laboratories

**PaAAEL:** Pennsylvania Association of Accredited Environmental Laboratories