

# The Institute Review

www.nelac-institute.org

Second Quarter 2010

## Environmental Measurement Symposium

By Lara Autry, USEPA and Jerry Parr, TNI

For the fourth year, the Environmental Measurement Symposium, which represents the combined meetings of the National Environmental Monitoring Conference (NEMC) and the Forum on Laboratory Accreditation (the Forum), will be meeting at the Hyatt Regency Capitol Hill in Washington, DC from August 9 – 13, 2010.

Some of the highlights for the week include:

- ◆ Over 120 technical presentations and posters on a variety of cutting-edge environmental monitoring issues;
- ◆ Meetings of The NELAC Institute (TNI) Committees to further TNI efforts on environmental laboratory accreditation, proficiency testing, and accreditation of field sampling and measurement organizations;
- ◆ A special workshop on the new TNI laboratory accreditation standard;
- ◆ An exhibit program showcasing the latest innovations in environmental monitoring;
- ◆ A training course on the alternate test procedure validation requirements;
- ◆ Three special keynote presentations on topics of general interest;
- ◆ A special half-day session providing EPA perspectives on key issues; and
- ◆ An open meeting of the US Environmental Protection Agency's (EPA's) Environmental Laboratory Advisory Board.

### REGISTER TODAY!

Deadline to get a hotel room at the conference rate is **MONDAY, JULY 10.**

## Forum on Laboratory Accreditation

The NELAC Institute's (TNI's) semi-annual meeting is an integral part of the Environmental Measurement Symposium (Symposium). Throughout this issue of The Institute Review, there are multiple articles provided to prepare you for the meeting: the mentoring sessions, the Assessment Forum, training courses, and the National Environmental Monitoring Conference (NEMC), which is held jointly with the Forum on Laboratory Accreditation under the Symposium. This article summarizes the meetings of TNI's four core programs. As these sessions become further developed, additional details will be available on the TNI website at <http://www.nelac-institute.org>.

### Proficiency Testing Program: Wednesday, August 11, 2010

On Monday afternoon, TNI's Proficiency Testing (PT) Executive Committee will lead a session devoted to PT issues. Some of the topics to be discussed include:

- ◆ Revised Fields of Proficiency Testing (FoPT) for chemistry.
- ◆ New FoPT for the EPA Lead program.
- ◆ Using the data in the PT database for future FoPT table updates.
- ◆ Adoption of Volumes 3 and 4 of the new TNI Standard.

### Consensus Standards Development Program: Tuesday – Thursday, August 10 – 12, 2010

The purpose of this program is to develop consensus standards for use by TNI's other programs. This program also has a support role in assisting other programs with activities such as guidance and standards interpretation. All six of the Expert Committees in this program will be meeting in Washington, DC.



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City of Lawrence, Kansas

### Special Topics of Interest:

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## Environmental Measurement Symposium (cont.)

- ◆ The Proficiency Testing and Quality Systems Committees will be presenting language to address several Tentative Interim Amendments that need to go through the consensus process as well as discussing plans to revise the laboratory accreditation standards.
- ◆ The On-Site Assessment and Accreditation Body Committees will be presenting guidance documents that are being developed to assist with implementation of the new TNI standards.
- ◆ The Field Activities Committee will be meeting with the National Environmental Field Activities Program (NEFAP) Executive Committee to present plans for moving forward with NEFAP.
- ◆ The Stationary Source Audit Sample (SSAS) Committee will be discussing the latest developments in the TNI SSAS Program in response to the privatization of the EPA's Stationary Source Compliance Audit Program (SSCAP).

### National Environmental Field Activities Program (NEFAP): Thursday, August 12, 2010

The NEFAP Executive Committee will meet on Tuesday with a session devoted to discussions for implementing an accreditation program for Field Sampling and Measurement Organizations (FSMOs). Topics will include:

- ◆ Accreditation Bodies for FSMOs,
- ◆ Lead Renovation and Repair Rule, and
- ◆ NEFAP standard operating procedures.

### National Environmental Laboratory Accreditation Program (NELAP): Thursday, August 12, 2010

On Thursday, a day-long session is devoted to discussions on NELAP. Topics include:

- ◆ Implementation of the new TNI standards, including the implementation schedule, training workshops, and guidance documents.
- ◆ Building the program, including an update on new Accreditation Bodies (ABs) and an update on the on-going AB recognitions that are underway.
- ◆ Training for state agencies on the new TNI standard for Accreditation Bodies.

## National Environmental Monitoring Conference (NEMC)

The National Environmental Monitoring Conference (NEMC) provides the principal forum for addressing policy and technical issues affecting monitoring in all environmental media (i.e., water, air, soil, and waste) and across all environmental programs. NEMC is co-sponsored by TNI and the Independent Laboratory Institute (ILI), in association with The American Council of Independent Laboratories (ACIL), under a cooperative agreement with the U.S. Environmental Protection Agency (US EPA). The technical program is organized by a committee of environmental experts from government and private industry, which brings together a balance of technical and policy topics for each year's symposium that are of interest to all.

NEMC 2010 will feature over 120 presentations and posters organized into concurrent technical sessions from Monday through Thursday, with a general session on Wednesday morning. A keynote address on a major topic will kick-off the start of each day.

The Technical Sessions for NEMC 2010 include:

#### Monday, August 9, 2010

- Contaminated Sediments
- Air Methods, Sensors, and In-Situ Monitoring
- Best Practices for Data Reduction-Turning Data into Information

#### Tuesday, August 10, 2010

- Drinking Water Methods and Pharmaceutical and Personal Care Products
- Challenges in Low-level Mercury Analyses
- Operational and Advocacy Issues Impacting the Environmental Laboratory Industry



### New TNI Policy on Membership Ethics

TNI's Policy committee has developed a policy on membership ethics that states:

*No member shall:*

- *Authorize* the use of, or use for the benefit or advantage of, any person, the name, logos, marks, endorsement, services, or property of TNI, except in conformance with TNI policy.
- *Publicly* use any TNI affiliation in connection with the promotion of partisan politics, religious matters, or positions on any issue not in conformity with TNI's mission or the official position of TNI.
- *Within* the restrictions that may be imposed by government bodies, disclose or use any information that is classified as confidential and/or protected that is available solely as a result of the member's affiliation with TNI to any person not authorized to receive such information, or use to the disadvantage of TNI any such confidential information, without the express authorization of TNI.
- *Knowingly* take any action or make any statement intended to influence the conduct of TNI in such a way as to confer any financial benefit on any person, corporation, or entity in which the individual has a significant interest or affiliation.
- *Operate* or act in any manner that is contrary to the best interests of TNI.

This policy will be on the agenda for the TNI Board of Directors on July 14, and if approved, will become effective when it is posted on the TNI website.



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## Environmental Measurement Symposium (cont.)

### Tuesday, August 10, 2010 cont.

- Innovative Approaches to Analysis for Conventional and Emerging Pollutants
- Pharmaceutical and Personal Care Products

### Wednesday, August 11, 2010

- Method Validation
- Emerging Technologies
- Innovative Approaches to Analysis for Conventional and Emerging Pollutants

### Thursday, August 12, 2010

- Analysis of Metallic Species and Organometallics
- Current Topics in Microbiology
- International Approaches to Monitoring
- General

The Wednesday morning General Session will feature four presentations by high-level EPA officials that includes:

- ◆ The EPA Regulatory Agenda of the New Administration,
- ◆ The Role of Science in Meeting Our Environmental Challenges,
- ◆ The Role of Enforcement to Ensure the Integrity of Our Science, and
- ◆ Taking Action on Climate Change.

Please take a few minutes to look over the preliminary program and register today. To view abstracts and the preliminary program in addition to conference arrangement details, visit <http://www.nemc.us>. We look forward to seeing you in August!!!

## Training Courses at the Environmental Measurement Symposium

By Jerry Parr, TNI

As part of the Environmental Measurement Symposium in Washington, DC from August 9 – 13, 2010, four training courses on a variety of topics are being offered. A brief summary of each course is provided below; however, more information about these courses can be found at: <http://www.nelac-institute.org/meetings.php>. Please remember to register for each course you wish to attend, since seating is limited. An additional charge from the general registration fee also may apply.

### 1. How to Modify a Method through an Alternate Test Procedure

The class will step through the requirements a laboratory must perform to complete an Alternate Test Procedure (ATP) at the local or regional level (Tier 1 or Tier 2) for a method modification under the requirements of the Clean Water Act (CWA) and Safe Drinking Water Act (SDWA).

### 2. New TNI Laboratory Accreditation Standards

The NELAC Institute's (TNI) National Environmental Laboratory Accreditation Program (NELAP) has adopted for use within the program four new accreditation standards to replace the 2003 NELAC Standard and be implemented in 2011. All NELAP-accredited laboratories will need to comply with the new requirements by July 1, 2011. This workshop will review in detail the standard applicable to laboratories, briefly review the other three standards, and present the plan for implementation.

### 3. Electronic Delivery of Laboratory Data for the Next Generation

This training course will introduce and discuss the implementation of the Staged Electronic Data Deliverable (SEDD). SEDD is a universal format that can deliver environmental testing data for any program in an XML format. The course will introduce SEDD and discuss the various stages and what type of data each can deliver. SEDD allows for the complete linking of all samples to



### *Mentor Session to Focus on New TNI Standard*

TNI's Technical Assistance Committee (TAC) hosts a Mentor Session at each of TNI's semi-annual meetings to share information on topics of interest to laboratories and Accreditation Bodies.

The Mentor Session that will be held in Washington, DC on August 9, 2010 will cover three significant changes in the new TNI Standard:

- Changes to ISO 17025,
- Changes to the requirements for method validation, and
- Changes to the requirements for a Demonstration of Capability.



### *Assessment Forum to Focus on Method Updates and Audit Consistency*

TNI's Technical Assistance Committee hosts an Assessment Forum at each of TNI's semiannual meeting to share information on topics of interest related to laboratory assessments. The Assessment Forum that will be held in Washington, DC on August 10 will cover activities of TNI's Audit Consistency Improvement Task Force and review some of the new requirements in the TNI Standard, including measurement uncertainty and reporting Proficiency Test data. In addition, a special meeting will be held on Monday afternoon, August 9 that will feature a panel of individuals from EPA, ASTM International, and Standard Methods to provide an update on new method developments from each of these organizations.



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## Training Courses (cont.)

their associated Quality Control samples, the complete linking of all samples to their associated continuing and initial calibration data, and the complete linking of all reported results to the specific analysis that was used to derive that specific result.

### 4. Sustainable Landscape Design

Millions of dollars are spent each year designing, implementing, and maintaining urban landscapes. Unfortunately, long-term problems are caused when these processes are not carried out properly. Many of these problems can be avoided or reduced by utilizing sustainable landscape practices. A landscape developed with sustainable practices will improve the environment by conserving resources and reducing chemical applications. A sustainable landscape will also reduce labor inputs making it less expensive to implement and maintain.

## Update on Realignment of TNI Operations

By Steve Arms, Florida Dept. of Health

On June 9, 2010 after months of careful deliberation and with input from TNI committees, members, and the public, the TNI Board of Directors ratified important amendments to the Bylaws of TNI that solidify a new structure for the Institute. The resulting realignment of TNI's programs and committees now more accurately reflects the organization's current workings and sets the stage for future activities in support of national accreditation. Over the next few months, the website, and TNI Standard Operating Procedures (SOPs) and Policies will be revised to mirror the changes to the Bylaws.

As discussed in the last issue of The Institute Review, the realigned structure has the following elements:

- ◆ The Board of Directors will continue to be responsible for the overall management, direction, and support of TNI's efforts.
- ◆ The Consensus Standards Development Program (CSDP), National Environmental Field Activities Program (NEFAP), National Environmental Laboratory Accreditation Program (NELAP), and the Proficiency Testing Program (PTP) are designated as Core Programs, each having a managing Executive Committee with balanced representation of stakeholder interests.
- ◆ The NELAP Board will be known as the NELAP Accreditation Council, and will continue to have the primary responsibility and final authority for implementing the laboratory accreditation program. It will coordinate closely with the Laboratory Accreditation System Executive Committee.

In addition to these major changes, the Board adopted several minor corrections into the Bylaws, which are summarized below:

#### Article III, Membership

Added language to require members to agree to follow a Code of Ethics.

#### Article VII, Committees

Changed composition of the Executive Committee to be Officers.

#### Article VIII, Business Meetings

Removed Section 5 related to quorum.

A copy of the revised Bylaws is available under *News* on the TNI website. TNI's new organization chart reflecting the changes can be viewed on the *TNI Programs* home page at <http://www.nelac-institute.org/programs.php>.



## Upcoming Meetings of Interest to Members

New York and Pennsylvania  
Association of Accredited  
Environmental Laboratories

### ANNUAL MEETING

July 18—20

Lancaster, PA

<http://www.nyaael.org>

Virginia Water Environment  
Federation

### GOOD LABORATORY PRACTICES CONFERENCE

August 2—3

Charlottesville, VA

<http://www.vwea.org>

The NELAC Institute  
**ENVIRONMENTAL MEASUREMENT  
SYMPOSIUM**

August 9—13, 2010

Washington, DC

<http://www.envmeasym.org>

Department of Energy Consolidated  
Audit Program

### ANALYTICAL SERVICES PROGRAM (ASP) WORKSHOP

September 13-17

Seattle, WA

<https://doecap.oro.doe.gov>



If you know of any upcoming  
meetings of interest to  
environmental laboratory  
professionals, please contact  
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## TNI Board Holds Strategic Planning Meeting

By Carol Batterton, TNI

The TNI Board of Directors convened in Orlando, Florida on June 25-26, 2010 for a strategic planning session. The focus of the meeting was to update the core strategies outlined the 2007 Strategic Plan and identify any new strategies needed. The Board also discussed changes needed to fully implement the new organizational structure for National Environmental Laboratory Accreditation Program (NELAP) and the governance of the National Environmental Field Accreditation Program (NEFAP).

Steve Arms, Chair of the TNI Board of Directors, reported, "The strategic meeting was highly successful and all goals for the meeting were accomplished". Using a worksheet to guide the process, the Board reviewed accomplishments and non-accomplishments of the past three years, and explored ways to approach new opportunities as well as threats to the organization. The Board recommended changes to TNI's core strategies and explored ways to ensure long term viability of all programs. In particular, the Board discussed opportunities to help accreditation bodies that may be experiencing problems due to economic uncertainties in the states. The revised core strategies and completed worksheet listing accomplishments, as well as revised strengths, weaknesses, opportunities, and threats (SWOT) will be available later this year on the TNI website.

In other business, Lynn Bradley briefed the Board on the draft outline for a Quality Management Plan (QMP) for TNI. After discussion, the Board approved the outline and asked that a first draft be prepared for presentation at the winter meeting in Savannah.

## Standards Implementation Project

By Ilona Taunton, TNI

Implementation of the new TNI Standard requires coordination between the various TNI Committees and Board of Directors. The Laboratory Accreditation Systems Executive Committee (LASEC) has prepared a tool to help track the various action items and potential issues surrounding implementation of the new Standard. A copy of this spreadsheet is available on the TNI website.

The spreadsheet was developed by meeting with the various Committees and asking what they are working on related to implementation of the new Standard. The Program Administrators and the TNI Board of Directors then reviewed it to look for missing items and to provide updates in the comments section.

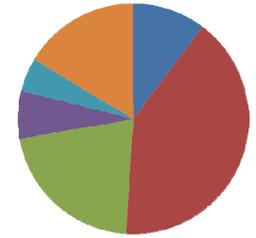
The spreadsheet categorizes all the action items (Implementation Tools, SOP/Policy Documents, Training, and Implementation Issues). An example of an Implementation Tool is the update of the Quality Assurance Manual Template and the development of online examples of various quality system elements, forms, procedures, etc. Other action items include the update of the Quality Systems Checklist, preparation of web-based training material, updates to the AB evaluation procedure, and tracking the preparation of new Working Draft Standards to address Tentative Interim Amendments (TIAs). There are more than thirty items currently included in the table.

The table is a living tool that is continually updated as action items are completed, progress reports are received, or new action items are determined. Each action item has an estimated completion date, and review dates are also included. The tool should help Committees and Board of Directors stay abreast of what their action items are, and it should help them avoid duplication of effort. It also keeps the TNI membership aware of what is being done to implement the Standard and gives each member the opportunity to help make sure all potential implementation issues are addressed before July 2011. If you see missing action items or inaccurate information, please send your comments to Ilona Taunton at [ilona.taunton@nelac-institute.org](mailto:ilona.taunton@nelac-institute.org).



## TNI Membership Growth

### TNI Membership Demographics



■ Accreditation Bodies ■ Commercial Laboratories  
■ Utility Laboratories\*\* ■ Other Laboratories\*\*  
■ Other Government Agencies\*\*\* ■ Other\*\*\*\*

Since the formation of TNI in 2006, membership has doubled to over 650 active members. The Board of Directors would like to thank all members for their support in building a national program for the accreditation of laboratories and field sampling and measurement organizations.

\*municipal, county, etc.

\*\*industrial, governmental, university

\*\*\*states, DOD, DOE, EPA, USGS

\*\*\*\*PT providers, consultants, instrument manufacturers, interested individuals, etc.



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## TNI's Fledgling Quality System

By Lynn Bradley, TNI

Our organization has worked through a lot of 'first time' processes and events, worked out the twists and turns of new processes, and launched entire new programs. With the completion of our recent reorganization and restructuring of TNI, now is an optimum time to weave the documented pieces of our emerging quality system into a fully documented systematic planning process, as well as instituting more formal oversight processes. The TNI Board of Directors has asked that a Quality Management Plan (QMP) be created to describe our quality system. That effort is underway.

TNI has one very uncommon attribute among non-profit groups. Nearly all our members are knowledgeable about quality systems, quality assurance, and quality control! Most of us use systematic planning and continuous improvement in our daily work lives. Thus, it's no surprise that even the not-yet-documented processes and procedures used by TNI Boards, Councils, and Committees do fit together well, forming the foundations of a working and workable quality system. For the most part, we've started off very well, from TNI's strategic planning process, down to the Committee charters implementing the planned activities, and also the way we've worked through establishing new programs over the past several years. It's time to finish documenting the processes that have worked thus far, tweak the procedures that need upgrading, and build in oversight in the form of a designated QA staff plus a cycle of internal audits of the program areas and committees. It's likely that volunteers will be sought among the various programs and committees to coordinate and fulfill our quality system's needs.

The QMP document will be an umbrella plan, describing the quality system of the entire TNI organization. Our SOPs and Policies will be referenced in it. It is conceivable that certain activities (databases, in particular) may need explicit quality documentation — a subordinate QMP perhaps. If that is determined to be the case, quality plans can surely be developed over time to address those individual activities.

## Tentative Interim Amendment Announcement

By Kirstin McCracken, TestAmerica

The Proficiency Testing Expert Committee (PTEC) is proposing five tentative interim amendments (TIA) to the TNI standards for proficiency testing (PT) to address the gaps in the standard for PT requirements for microbiology, whole effluent toxicity (WET), and radiochemistry. These amendments would be changes to Volumes 2 and 3 of the TNI Standard. The proposed TIA will: 1) augment the TIAs for PT that were previously approved last summer; 2) complete the changes necessary to ensure PT requirements are consistent between modules; and 3) specify requirements for each of the scientific disciplines associated with the current fields of proficiency testing (FoPT).

The PTEC plans to submit the proposed TIAs to the Consensus Standards Development Executive Committee (CSDEC) for their review in early July 2010; it is expected the TIAs will be released for public comment in July 2010. The PTEC welcomes input on the proposed amendments from all members, so be sure to watch for the announcement and provide your comments to the PTEC Chair, Kirstin McCracken at: [KirstinL.McCracken@testamericainc.com](mailto:KirstinL.McCracken@testamericainc.com).

An approved TIA is effective for two years after which the language in the amendment must be incorporated into the Standard through the consensus development process. The timeframe for incorporation of the TIA's approved last summer is fast approaching. When the proposed TIAs for microbiology, WET, and radiochemistry are endorsed, the PT Committee will release a new working draft standard that incorporates the language of the amendments. The goal is to have the working draft standard ready for discussion during the face-to-face PTEC meeting scheduled during the Environmental Measurement Symposium this summer. Watch for more details on the TNI website at [www.nelac-institute.org](http://www.nelac-institute.org).



## Update on Workshops on the New TNI Laboratory Standard

In 2010, TNI has held 9 one-day workshops around the country with 20 more scheduled or planned for later this year or early next year. Over 500 individuals from laboratories and state and federal agencies have attended these workshops. The TNI Board would like to recognize the efforts of the following TNI members who have generously volunteered their time and energy to help with these workshops:

- Aaren Alger, Pennsylvania Department of Environmental Quality
- Steve Arms, Florida Department of Health
- Brooke Connor, USGS
- Dan Dickinson, New York Department of Health
- Jack Farrell, Analytical Excellence
- John Gumpfer, ChemVal
- Scott Hoatson, Oregon Department of Environmental Quality
- Betsy Kent, Reedy Creek Improvement District
- Silky Labie, Environmental Laboratory Consulting
- Shawn Kassner, ERA
- Tom McAninch, Laboratory Consulting Services
- Kirstin McCracken, TestAmerica
- Sharon Mertens, Milwaukee Metropolitan Sewerage District
- Michael Shepherd, Shepherd Technical Services
- Patricia Snyder, Analytical Excellence
- James Todaro, Alpha Analytical

A list of the future workshops, and information for how to register for one of these in your area is on the TNI home page under News.



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## Member Spotlight: Jim Broderick

By Kirstin McCracken, TestAmerica

Meet Jim Broderick, TNI Member since 2005. Jim is currently on the TNI Task Force for Consistency Improvement and he previously volunteered on the Technical Assistance Committee (TAC) where he helped design the TNI Mentoring Program and performed a comparison of fee structures between the accreditation bodies (AB) – important advocacy projects to better understand implementation of the program.

Jim hails to us from New York where he currently serves as the Deputy Chief of Compliance for the Bureau of Water Supply, Watershed Water Quality Operations of New York City's (NYC) Department of Environmental Protection (DEP). NYC DEP is a Patron Member of TNI and the agency actively encourages Jim's participation in our organization.

Jim was born and raised in New York's Hudson Valley. He holds a BA in Biology from the State University of New York (SUNY) in New Paltz. He began his career with an internship at IBM's environmental lab facility in East Fishkill where he worked in industrial hygiene and stack emissions. When the internship ended, he accepted a temporary position in quality assurance at the same facility. When that position ended, he accepted a microbiologist position with NYC DEP where he was ultimately promoted to QA Director. As QA Director, Jim led the Agency's quality assurance program for six testing laboratories and three field teams for the next eleven years – a time frame that spanned the inception of the National Environmental Laboratory Accreditation Program and a time when all state agencies began ramping up quality system requirements for laboratory certification. As accreditation programs grew, so did the QA program at NYC DEP. Jim says it was the requirements of the NELAC Standard that enabled him (and all QA Managers) to develop and implement the quality system improvements needed for their agency. The Standards gave him the authority, direction, and justification to implement the QA/QC procedures necessary to produce high quality data for the Agency.

In 2005, Jim was offered and he accepted the position of QA Officer for the state's proficiency testing and laboratory accreditation programs for New York State's Environmental Laboratory Approval Program (NY ELAP). He worked in this position for two years before returning to NYC DEP where he and his colleagues work hard to supply high quality drinking water to the nine million New Yorkers, who rely on it each day.

It was with NY ELAP that Jim first became actively involved in NELAC (now TNI). He joined the State Assessors Group and participated in the renewal accreditation assessment of the state's PT program. These experiences led him to get involved in NELAC and to remain an active volunteer in TNI. Jim says that volunteering for a committee or workgroup takes time and energy, but the rewards are great – any organization in our industry that becomes an active participant in TNI will see immediate benefits.

What kind of benefits? For starters, access to the most influential decision makers in our industry, advance notice of industry trends, and a greater understanding of the big picture. Jim says when you know what's going on it is much easier to stay ahead of change and to explain to staff and/or senior managers why regulations and requirements are as they are. Being involved makes him able to do his job better.

Jim told me the best thing about TNI is the balance of participant organizations. Even though not all states are Accreditation Bodies, the development of consensus standards and implementation of the program is truly a national effort. Feeling burned out? Attend a semi-annual meeting and Jim says you will be instantly reminded of the importance of the work we do each day. Besides, there is nothing like getting to know your industry peers – be they competitors, other government agencies, or even those that regulate and oversee accreditation.

Jim's background and work history encompasses every stakeholder group in TNI. He has been on both sides of the fence – regulated and regulator. It is his experience from each of these perspectives that he brings to our organization.

In his free time Jim enjoys spending time with his family, gardening, raising chickens, and his newest adventure – beekeeping. So now that you know more about Jim, when you see him at the Environmental Measurement Symposium meeting this summer in Washington, DC, ask him what the buzz is about! (Pun intended).



### TNI MISSION

*The NELAC Institute is a 501(c) 3 non-profit organization whose mission is to foster the generation of environmental data of known and documented quality through an open, inclusive, and transparent process that is responsive to the needs of the community.*



### VISION

*All entities generating environmental data in the United States will be accredited to consensus national standards.*




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## Organizational Members

We are grateful for the generosity of the organizations that have joined us as members:

### PATRONS

ALS Laboratory Group  
California ELAP  
City of Phoenix Lab Services Div.  
Environmental Resource Associates  
New Jersey DEP - OQA  
New York City, Department of Environmental Protection  
Oklahoma DEQ  
Virginia DCLS

### SPONSORS

ERMI Environmental Laboratories  
Miami-Dade Sewer and Water  
Pennsylvania DEP

### PARTNERS

ACZ Laboratories	Columbia Analytical Services	Quality Assurance Solutions
Advanced Systems	Dade Moeller & Associates	R.T. Corporation
Albion Environmental	El Paso Water Utilities	REI Consultants
American Interplex	Environmental Monitoring	Sheibley Consulting
American Pacific	Environmental Standards	Shepherd Technical Services
Analytical Excellence	Environmental Testing Group	South Central Regional Wastewater
Analytical Laboratory Services	Envirotech	Spectrum Analytical
Analytical Resources	Era Laboratories	SunLabs
Askew Scientific Consulting	Gainesville Regional Utilities	TALEM
Arizona DHS	IAR Accreditation Services	Texas Comm. on Env. Quality
Biltmore Construction Company	Illinois EPA	US Navy NAVSEA Programs
Brazos River Authority	Kansas DHE	USEPA - National Air and Radiation Environmental Laboratory
BSK Analytical Laboratories	Katahdin Analytical Services	USEPA / OGWDW / TSC
Chaparral Laboratories	Key Laboratories	USEPA OAR
ChemVal Consulting	Laboratory Consulting Services	USEPA Region 3
City of Largo, FL	Laboratory Management Partners	USEPA Region 5
City of Lawrence, KS	NAVFAC Southwest	Weck Laboratories
City of Odessa, TX	North Texas Municipal Water District	Xcel Energy
City of Phoenix - Pollution Control Division	NSI Solutions	
City of Portland, OR	Oregon DEQ	
City of Sherman, TX	Project Eco Lab	

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