



# 2011 Northeast Regional Industrial Hygiene Conference and Exposition

*Emergency Preparedness - 10 Years Beyond*

*&*

*GHS - New Horizons*

Approved for 1.0 Industrial Hygiene CM Points

**Friday, December 2, 2011**

**Hyatt Regency Hotel, New Brunswick, NJ**

**Presented by AIHA Metro NY Section**

Co-sponsored by the New Jersey and Philadelphia Sections AIHA



*Emergency Preparedness - 10 Years Beyond  
&  
GHS - New Horizons*

**2011 Tri State NEIH Conference Agenda  
New Brunswick Hyatt Regency December 2, 2011**

- 7:30 AM**      *Registration/ Meet the Vendors/Continental Breakfast*
- 8:00 AM**      **Opening Remarks and Acknowledgements**  
Michael Byrnes, President AIHA Metro NY Section
- 8:10 AM**      **The Washington Buzz!**  
Aaron Trippler, Director, Government Affairs, AIHA
- 9:10 AM**      **The GHS and REACH – How will these affect Industrial Hygiene?**  
Denese A. Deeds, CIH. Industrial Health & Safety Consultants, Inc.
- 10:00 AM**     *Break/Meet the Vendors/Networking*
- 10:30 AM**     **Fukushima Accident in Japan.**  
Dennis Quinn, CHP, DAQ, Inc.
- 11:20 AM**     *Break/Meet the Vendors/Networking*
- 11:50 AM**     *Lunch/Lunchtime Seminar*
- Making a Difference: Sustainable Construction Practices at MTA & NYCT**  
Thomas Abdallah, P.E. LEED AP, Chief Environmental Engineer, MTA New York City Transit.
- 12:45 PM**     *Break/Meet the Vendors/Networking*
- 1:00 PM**      **Fast Track Implementation of Containment Engineering Controls for Band 4  
Material OSD Clinical Manufacturing Using Innovative Technologies and Design.**  
Hari Floura (Floura LLC) and Ken Perozzi (Novartis)
- 1:50 PM**      **Preparing for a Business-Disrupting Event in the Current Economy: Personal  
Protective Equipment Considerations.**  
Nicole Vars McCullough, PhD, CIH, 3M, Occupational Health and Environmental Safety Division.
- 2:40 PM**      *Break/Meet the Vendors/Networking*
- 3:10 PM**      **The Perceived Accuracy of Occupational Exposure Limits and Other Quantitative  
Risk Assessments.**  
Robert G. Sussman, Ph.D., DABT.
- 4:20 PM**      *Door Prize Drawing and Adjournment*

December 2, 2011 Northeast Regional Industrial Hygiene Conference  
and Exposition

MAIL REGISTRATION FORM

NAME: \_\_\_\_\_  
COMPANY: \_\_\_\_\_  
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CITY/STATE/ZIP: \_\_\_\_\_  
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I am a member of: <input type="checkbox"/> Philadelphia Section AIHA <input type="checkbox"/> New Jersey Section AIHA <input type="checkbox"/> Metro NY Section AIHA <input type="checkbox"/> Other <input type="checkbox"/> None <b>Conference Fee</b>	<b>Advance Registration (On or by 11/23)</b>	<b>Late Registration or Walk In (After 11/23)</b>
General	[ ] \$200	[ ] \$240
Full time student	[ ] \$50	[ ] \$100

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**Aaron K Trippler, Director Government Affairs, AIHA,  
The Washington Buzz!**

How is occupational health and safety faring in a Congress split between Republicans and Democrats? Is there any chance for OSHA reform? MSHA reform? How about EPA? Can the Obama Administration work with this Congress? What impact does all of this have on the OSHA agenda? What are OH&S professionals and associations doing to impact worker health and safety? Are the States taking the lead in OH&S? And what about the 2012 Presidential Election?

Learn this and more from an insider's perspective. The latest happenings with the real story - not the fluff!

Aaron Trippler is Director of Government Affairs for the American Industrial Hygiene Association (AIHA). Mr. Trippler directs government affairs for more than 70 local sections and is chief liaison with Congress and federal agencies. He has served in this capacity since 1992, when he developed the AIHA government affairs program.

In directing federal affairs, Aaron is responsible for following all federal legislation and regulations, as well as drafting AIHA Congressional testimony and working with numerous federal agencies on the public policy issues of AIHA.

Aaron also directs state government affairs for AIHA, annually reviewing nearly 5,000 pieces of state legislation and regulations affecting the profession of industrial hygiene and testifying when needed.

Aaron has 30 years experience in federal and state government affairs and has developed government affairs programs for three national associations. He holds a BS degree in Business Administration.



**Denese A. Deeds, CIH. Industrial Health & Safety  
Consultants, Inc.**

The GHS and REACH – How will these effect Industrial Hygiene?

The GHS is in the process of world-wide adoption with the new Hazard Communication Standard, adopting the GHS due at any time. The GHS changes how we view chemical hazards and changes the way we communicate these hazards. In the mean-time the REACH chemical registration process is well underway and in some cases, the data made public with the registration dossier are changing the classification of the chemicals we work with daily. The coming at the same time means change and as industrial hygienists must be prepared to manage this change in the workplace. The speaker will explain what is different about the GHS and how the new hazard communication system along with the new information from REACH may affect how handle chemicals.

Denese Deeds is co-founder of Industrial Health & Safety Consultants, Inc (IH&SC) where she is the Director of Chemical Regulatory Services. In that function she prepares MSDS, labels and other hazard communication documents, files international chemical registrations and assists companies with overall chemical regulatory compliance. She has 38 years in the field and is a recognized expert in her field. Prior to founding IH&SC she worked as an industrial hygienist for General Electric and Westinghouse.

Ms. Deeds has a degree in chemistry from Stetson University, DeLand, Florida. She has lectured at the junior college level and has taught short courses on safety, industrial hygiene, hazard communication including US and international SDS and chemical labeling and the transportation of hazardous

materials/dangerous goods. Ms. Deeds is certified in the Comprehensive Practice of Industrial Hygiene by the American Board of Industrial Hygiene.

She is a Fellow of the American Industrial Hygiene Association (AIHA) and a member of the American Academy of Industrial Hygiene (AAIH) and the Society for Chemical Hazard Communication (SCHC). Ms. Deeds has served on the AIHA Committee on Personal Protective Devices other than Respirators, Confined Spaces Committee and currently serves on the Stewardship and Sustainability Committee. She is a Past-President of the Society for Chemical Hazard Communication (SCHC) and serves on the OSHA Alliance, Professional Development, Outreach and Communication and HazCom Resources Committees for SCHC. She was awarded an Outstanding Individual Contributor Award by AIHA in 2010.



**Dennis Quinn, Consulting Health Physicist, DAQ, Inc.**  
The Fukushima Nuclear Accident- A Summary

The accident at the Fukushima Daiichi Nuclear Power Station in Japan captivated the world's attention in March and April of this year. A summary of the Fukushima accident is presented for a non-nuclear technical audience. The presentation covers a wide range of subjects, including emergency planning, the hydrogen explosions, the radioactivity releases to air and water, radiation hazards onsite, ground contamination, and contamination/protection of food.

Dennis Quinn is a certified health physicist with over 30 years experience in nuclear power and consulting in a range of radiation protection areas. His experience includes work on radiological emergency planning, environmental monitoring, radiation dose reduction programs, radiation dosimeters, worker protection, radioactive waste, and remediation. After the Fukushima accident, he supported a major hotel chain with several hotels in Japan, providing instrumentation and guidance to protect the hotel workers and guests.



**Thomas Abdallah, PE, Chief Environmental Engineer, NYCT/MTA**  
Be Prepared!

As Chief Environmental Engineer of MTA New York City Transit I have seen from the beginning how far NYCT has progressed in the field of sustainability. NYCT has positioned itself as a leader in sustainability worldwide. Most importantly, CPM's Sustainability Training Program has provided Engineers and Architects with appropriate skills and most importantly the mindset that our capital construction projects must be sustainable, energy efficient, provide enhanced indoor air quality and leave better working conditions for our operating departments to work under.

NYCT's Corona Maintenance Shop, this country's first industrial transportation facility to gain LEED certification provides a state of the art shop area with natural ventilation, natural lighting and other green features which helps the shop personnel maintain our current subway fleet at record maintenance numbers. Environmental sustainable features that NYCT have featured have become larger in the overall picture because of NYCT's standing in the world of transportation. NYCT is an icon and worldwide leader in mass transportation in both size and history. NYCT reaches an infinite audience, through its website and the numerous conferences, seminars and mass media outlets, including being the featured segment in a channel 13 documentary called Going Green NY ( <http://www.thirteen.org/going-green-new-york/> ).

"Educating people about sustainability is part of my job".

Thomas Abdallah, P.E. LEED AP, Chief Environmental Engineer for the Capital Program Management Department (CPM) of MTA New York City Transit. He holds a B.S. in Chemical Engineering from Rutgers University and he is both a Professional Engineer and a LEED® Accredited Professional. Thomas has been with NYCT for 24 years and has extensive

experience with all areas of the environmental disciplines including the National Environmental Policy Act, Waste Management, Air & Water Pollution Prevention, and Green Design. Thomas is also directly responsible for CPM's ISO 14001 certified Environmental Management System.

He has appeared in numerous television programs outlining NYCT's sustainability efforts, including, Sundance Channel's Big Ideas for a Small Planet, Discovery's Science Channel, and most recently in PBS Going Green New York film documentary.



**Hari Floura (Floura LLC) and Ken Perozzi (Novartis).**

Fast Track Implementation of Containment Engineering Controls for Band 4 Material OSD Clinical Manufacturing Using Innovative Technologies & Design.

Execution of a project to allow clinical manufacturing of Band 4 Materials (OEL = 1 µg/m<sup>3</sup>, 8 Hour TWA), at the Novartis East Hanover site. The requirements of the project were as follows:

- Complete project in 4 months
- Allow handling of batch sizes ranging from 1kg to 35kg
- Address the following processes and associated equipment:
  - Dispensing of API
  - Bin Blending
  - Extrusion
  - Milling (Fitzmill)
  - Encapsulation
  - Capsule Polishing
- Solutions must ensure minimal to no impact with regard to existing equipment and process requirements.

The designs generated were based around the creative use of hard-wall containment, flexible film containment and a novel new contained transfer technology device, in order to meet the challenging budget and schedule needs.

**Hari Floura**

Hari Floura is the President of Floura LLC. Since obtaining his degree in Industrial Design Engineering BA (Hons) in 1988, Hari Floura has worked exclusively in the field of Containment Technology within the pharmaceutical industry. During this time, Hari Floura established and managed the USA offices of Applied Containment Engineering (ACE), in the position of President of Operations. In addition Hari has provided consultancy to many major Pharmaceutical Companies with respect to their containment guidelines, facility and containment system designs. He is also a member and regular presenter for several industry organizations including the International Society of Pharmaceutical Engineers and contributed to the ISPE Good Practice Guide – Assessing the Particulate Containment Performance of Pharmaceutical Equipment (APCPPE). Hari Floura is also currently involved in the revision of the ISPE APPCPPE guide as a subject leader and member of the steering committee involved in the latest revision of this document.

**Kenneth Pirozzi**

Ken began his career in the U.S. Military as a Nuclear, Biological and Chemical Officer from 1984 until 1987 at which time he joined the civilian sector with Liberty Mutual Insurance Company as a Loss Prevention Representative. In 1989 joined Agular Associates and

Consultants an environmental engineering firm as a Health and Safety Officer. In 1990 he joined Ciba-Geigy working in several positions in the Health, Safety and Environmental arena. In 1996 he joined Merck as a Senior Safety Engineer and in 1997 he returned to Novartis in HS&E to his present position as the Manager of Health and Safety.



**Nicole Vars McCullough, PhD, CIH, 3M, Occupational Health and Environmental Safety Division**

Preparing for a business-disrupting event in the current economy:  
Personal protective equipment considerations.

Recommendations for business continuity planning often include strategies for the stockpiling of personal protective equipment (PPE) that might be necessary to help keep workers healthy during an event and in the aftermath following. Homeland Security Presidential Directive 7 (HSPD-7) has designated 18 Industries as part of the Critical Infrastructure and Key Resources (CIKR) which have been given a higher burden for preparedness, but today's economy often makes it challenging to stockpile the amount of PPE needed for an event.

Examples of business continuity plans will be reviewed including recommendations for PPE stockpiling. We will also discuss other factors which should be considered when making determinations regarding types and quantities of PPE necessary including demographics, fit and possible strategies for acquisition. Nicole (Nikki) Vars McCullough is currently the Global Technical Services Manager for 3M's Occupational Health and Environmental Safety Division. She holds a master's and a doctorate in Industrial Hygiene and is a Certified Industrial Hygienist. Nikki also is an adjunct associate professor at the University of Minnesota, in the Environmental Health Sciences Division.

Nikki has authored 8 peer-reviewed journal articles relating to respiratory protection and has 3 patents for respiratory protection devices. She has also authored numerous articles and publications on respiratory protection including a book chapter. Nikki joined 3M OH&ESD in 1997 and has also worked in research and development for respirators and the Six Sigma organization. Prior to joining 3M, Nikki worked for the US Bureau of Mines and in EHS consulting.

**Robert G. Sussman, Ph.D., DAB.**

The Perceived Accuracy of Occupational Exposure Limits and Other Quantitative Risk Assessments

The perception of many individuals in industry management and regulatory authorities is that values derived as a result of quantitative risk assessments are precise values. This talk will use the development of occupational exposure limits as an example of how professional judgment enters into these risk assessments. Sources of variability will be highlighted to show how more than one number can be derived from a given set of data.

Bob is currently the Managing Principal of SafeBridge Consultants' Eastern Operations. He has over 20 years of experience in the pharmaceutical industry where he has worked in various capacities in corporate occupational toxicology groups for Warner-Lambert and Pfizer. Bob has an undergraduate degree in Bioenvironmental Engineering from Brown University and a Ph.D. in Environmental Health Science from NYU. He is a Diplomate of the American Board of Toxicology, a past member and chair of the AIHA's WEEL Committee, and a founding member of the Occupational Toxicology Roundtable. He also has an adjunct appointment at the NYU Medical Center.

# Directions to the Hyatt Regency New Brunswick

Two Albany Street  
New Brunswick, NJ 08901  
(732) 873-1234

## **From Route 1 North/South**

Take Route 18 North 3 miles to Route 27 South. Travel 2 blocks to Nielson Street. Turn left. Hotel is on the left.

## **From the North**

Take the New Jersey Turnpike South to Exit 9. Proceed on Route 18 North 3 miles to Route 27 South. Travel 2 blocks to Nielson Street and turn left. Hotel is on the left.

## **From the West**

Take the Pennsylvania Turnpike East to the NJ Turnpike North to Exit 9. Proceed on Route 18 North 3 miles to Route 27 South. Travel 2 blocks to Nielson Street. Turn left. Hotel is on the left.

## **From the South**

Take the New Jersey Turnpike North to Exit 9. Proceed on Route 18 North 3 miles to Route 27 South. Travel 2 blocks to Nielson Street and turn left. Hotel is on the left.

## **Public Transportation**

The hotel is two blocks from the New Brunswick AMTRAK and New Jersey Transit station.

**Parking:** Hotel parking is available for \$6 for the day (no conference discount is available)

**Refund Policy:** Conference fees will be refunded if requested, via e-mail to Al Walner @ [enviroal04@aol.com](mailto:enviroal04@aol.com), on or before **Friday, November 25th, 2011**. No refunds of conference fees can be made if requested after this date. Please allow several weeks after the conference for refunds to be issued.

**Inclement Weather Policy:** The AIHA Metro NY section will endeavor to present this conference as planned, and to have all scheduled speakers attend, despite weather conditions. Refunds will only be made if the event is cancelled (a notice will be posted on the AIHA Metro NY web site by 12:01 AM on Friday, December 2<sup>nd</sup>, 2011 if the conference is cancelled).