

# NEACHMM

## NEWS BYTES



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*An Electronic Newsletter from the New England Chapter of the Academy of Certified Hazardous Materials Managers*

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## AHMP 2009 National Conference

EHS&S – Steering a Course for Sustainability

August 30 – September 2, 2009

Sheraton San Diego Hotel & Marina ■ San Diego, California

## Lessons Learned at the NEACHMM June 2008 Professional Meeting

Joe Callahan, CHMM

On June 19, the New England Chapter of the Academy of Certified Hazardous Materials Managers (NEACHMM) presented the Honorable William Wark as the main speaker at its third professional meeting of 2008. The meeting which was co-sponsored by the Greater Boston Chapter of the Association of Safety Scientists and Engineers (ASSE) was held at the Holiday Inn Select in Woburn, MA. Mr. Wark, a Director of the U.S. Chemical Safety and Hazard Investigation Board (CSB) discussed the results of investigation into the root causes of the November 2006 massive chemical explosion that occurred at the CAI-Arnel paint and ink factory in Danvers, Massachusetts. [Explosion at Danversport](#)

The CSB is an independent Federal agency charged with investigating industrial chemical accidents. Headquartered in Washington, DC, the agency's board members are appointed by the President and confirmed by the Senate. Mr. Wark has served on the Board since September 2006 and was involved in a lead role in the investigation of the Danvers explosion. The 2006

chemical explosion ripped through an adjacent Danversport neighborhood in the early hours of November 22 destroying the facility and heavily damaging dozens of nearby homes and businesses, shattering windows as far away as two miles. At least 10 residents required hospital treatment for cuts and bruises. Twenty four homes and six businesses were damaged beyond repair. At least 300 residents were evacuated. Yet, remarkably, no loss of life occurred which Mr. Wark attributed to the time that the accident happened, when most people were asleep and lying prone in their beds.

Mr. Wark's presentation included a ten minute video of the explosion and discussion of its impact to on the community. The CSB found that the ink manufacturer CAI did not follow regulations or appropriate good practices for the handling of flammable solvents and proposes changes to national fire codes and to state licensing and inspection procedures to improve safety and oversight of facilities handling hazardous materials. Mr. Wark said on the night of the accident, ink base materials –

including a volatile mixture of heptane and propyl alcohol – continued to heat and boil after all the employees left work late that afternoon. The heating was controlled by a single, manual valve that needed to be closed to prevent the 3,000 gallon tank from overheating. When building ventilation was routinely turned off at the end of the workday, vapor coming out of the unsealed tank spread throughout the production area and then ignited from an undetermined source, possibly a spark from an electrical device. Lessons learned, hopefully, and one that a CHMM would likely have prevented.

## Changes to 527 CMR 9, Tanks and Containers

MaryEllen Doherty, CHMM

In response to the Federal Energy Act of 2005, the Massachusetts Department of Fire Services, Office of the State Fire Marshall has made changes and updates to 527 CMR 9, Tanks and Containers. The changes include provisions to cover aboveground tanks (AGT) greater than 10,000 gallons by referencing 502 CMR 5 and NFPA 30A-2003 and a revision to FP-290 to NOT include AGT. But most significant are the changes to underground storage tank regulations. Third party inspections will be required every three years with the first inspection due prior to August 8, 2010. The inspections cover documentation of licenses (FP-2, FP-5), permits, FP-290s, financial responsibility, current test reports for leak detection and tank monitoring, corrosion protection, release reporting documents, and operating instructions for leak detection and tank monitoring. A visual inspection of the overfill

prevention, spill prevention, secondary containment, leak detection system, and corrosions protection. The inspection report, FP-289, entitled "Third Party Underground Storage Inspection Report" must be submitted within 14 days of the inspection to the local fire department and the State Fire Marshall. A Third Party Inspector is an LSP, PE or other qualified person who has attended training by the State Fire Marshall's office.

All single walled steel tanks will need to be removed from the ground by August 7, 2017.

No more than 1/2 inch of water can be in a UST before it must be removed. A new section outlining when the Fire Marshall or Head of Fire Department can prohibit product delivery to tanks has been added. Dispensers and submersible pumps are now required to have sumps with continuous monitoring for product loss. All installers must be certified in writing by

the equipment manufacturer or petroleum equipment association as being qualified. The forms and more information can be found at [www.mass.gov/dfs](http://www.mass.gov/dfs). For information on training for Third Party Inspectors and for owners and operators, call the Department of Fire Services at 413-587-3181.

## NEACHMM has joint meeting with NEAIHA on September 17, 2008

MaryEllen Doherty, CHMM

*"In continuing our efforts to have joint meetings with organizations of similar interest, NEACHMM and NEAIHA met on September 17, 2008."*

In continuing our efforts to have joint meetings with organizations of similar interest, NEACHMM and NEAIHA met on September 17 at the Best Western in Waltham with about 85 attendees. A multiple of gurus presented their knowledge and experience on the "EHS Considerations During Building Renovation & Demolition". First up was Dr. Mike Walters from Polaroid Corporation who has been decommissioning buildings, laboratories and manufacturing plants since before 2002 when Polaroid first went into Chapter 11. He talked about how knowledge of where chemicals were used, verification techniques, and closure certification are important.

Then Marty Wood, owner and president of the Institute of

Environmental Education, Inc in Wilmington presented information on where asbestos can be found unexpectedly before, during and after a construction project. He talked about why and what asbestos materials are missed when undergoing inspections and abatement and uncommon uses of asbestos such as use in caulking, paint, and vermiculite. Mr. Wood reviewed the applicable regulatory requirements from NESHAP, AHERA, and the MCP. He discussed the inadequacy of inspections due to scope, laboratory methods for identification, and sampling and analysis methods.

Jeff Hamel, Senior Vice President at Woodard and Curran, presented "PCBs In Common Building Materials". After reviewing the extensive

applications and use of PCBs, Jeff focused on PCBs in building materials such as paint and caulking. He reviewed the regulatory requirements for continued use in a building, prohibited use, and excluded PCB products. Mr. Hamel discussed when to be concerned about PCBs and which regulatory requirements apply to disposal of PCB wastes. PCB decontamination, containment and removal options along with extensive pre-planning project implications were noted.

"Mercury Concerns During Building Renovation and Demolition" was presented by Dan Kallin, an Environmental Officer at MIT. After reviewing all the regulations that cover mercury and its use history, Dan showed consumption and source data.

## Update to Trenching Regulations.

Brian McGrath, CHMM

Beginning on January 1, 2009, all contractors in Massachusetts must obtain a permit in order to excavate a trench greater than 3 feet deep? Prior to January 1st, all municipalities throughout the Commonwealth must establish a local permitting authority for the purpose of issuing these permits. The Division of Occupational Safety has also drafted regulations relative to trench safety (520 C.M.R. § 14.00 - Attached).

The trench safety regulations require that all excavators, whether public or private, take specific precautions to protect the general public and prevent unauthorized access to unattended trenches. Accordingly, unattended trenches must be covered, barricaded or backfilled. Covers must be road plates at

least ¾" thick or equivalent; barricades must be fences at least 6' high with no openings greater than 4" between vertical supports; backfilling must be sufficient to eliminate the trench. Alternatively, excavators may choose to attend trenches at all times, for instance by hiring a police detail, security guard or other attendant who will be present during times when the trench will be unattended by the excavator.

The regulations further provided that local permitting authorities, the Department of Public Safety, or the Division of Occupational Safety may order an immediate shutdown of a trench in the event of a death or serious injury; the failure to obtain a permit; or the failure to implement or effectively use adequate protections for the general public. The trench shall

remain shutdown until reinspected and authorized to reopen provided, however, that excavators shall have the right to appeal an immediate shutdown. Permitting authorities are further authorized to suspend or revoke a permit following a hearing. Excavators may also be subject to administrative fines issued by the Department of Public Safety for identified violations.

## NEACHMM Sends Delegate to National Conference

*NEACHMM sent Eric Jensen, our current Vice-President/President-Elect as our delegate to the 2008 ACHMM National Conference on September in Minneapolis, MN. The Conference was held at the Hyatt Regency Nicolette Mall. Following is his report on the event:*

I was afforded the opportunity to attend the 2008 National Conference, in Minneapolis, Minnesota as the NEACHMM Chapter Delegate. The theme for 2008 was "Navigating the Future of EHS&S". As part of being the Chapter Delegate, I attended the Chapter Development and Leadership meetings on the Sunday before the Convention. The theme for Navigating the Future also carried through to the Chapter Development and Leadership (CD&L) meetings. The Chapter Development Committee (CDC) established a Theme for 2009 – FOCUS. Focus is key to the future of the organization, and in that the goals established were the following: develop ideas and tasks that support the local chapter; provide value to the membership; strengthen communications between the chapters and individuals; provide educational resources; serve membership and chapters by providing tools for success; identify where the needs are; and, identify where members want the organization to go. The goal of the CDC going forward is to identify and reduce the administrative burden for the chapter and provide guidance, to assist with the growth and development of the Chapter and its members.

Another focus for the future of the organization was the formation of an International Task Force Group, based upon the huge success of the formation of the India IHMM in Bangalore, India. The goal is to establish an international presence in EHS&S, which is more and more important as developing countries come of age, populations grow, and the deleterious effects of pollution become more evident. There is an urgent need for competent environmental professionals on a worldwide basis, and this is the ideal time for the organization to establish an international presence. This has been tagged as "The Great Opportunity for the 2000's".

Also discussed at length was the re-branding of ACHMM to AHMP, which has now come to fruition. The key focus in this instance was growth of the organization, and an inherent commitment to the CHMM credential. The overall concern with the rebranding focus was the survival of the organization, with projections of current trends showing that over time, attrition would exceed new membership, and the organization could eventually cease to exist if that trend were not turned around.

Cedric Calhoun provided a presentation during the CD&L Meetings, where he discussed what's going on structurally with the organization. He realizes there are frustrations between the Chapters and National Office – and emphasized that the key problem is a Capacity issue – there are not enough people at the National Level to do what needs to be done. One of the key problems he mentioned is the lack of communications of expectations – specifically, what is National expecting of the Chapters, and what are the Chapters expecting of National. The key challenges Cedric mentioned were the following: membership decline; lack of technical content; lack of marketing; and, communications to reach out to local individuals. In light of these concerns, National is focused on a Recruitment and Retention Plan. Part of this focus is creation of a new Staff Position at National for Chapter Recruitment and Marketing. During this presentation, there was considerable discussion on Brand Marketing – all of the Chapter Delegates agreed that increased Public Relations at the National Level is needed. Cedric mentioned a 4-prong approach at increased

awareness of the organization: 4 Prong approach of National: (1) Invited heads of all DEP's at reduce rate to the National Conference; (2) Georgia chapter has identified what states recognize CHMM and what the values are – sent list to the same DEP heads; (3) National will send info to Chapters that the Chapters can use to draw in regulators; and (4) National will work with Chapters to create an invitation to promote our local Essentials Course. Cedric indicated that National is trying to raise the bar, raise awareness, and form partnerships with regulatory agencies. He mentions examples such as the NJ Chapter – which connected with the NJDEP, and DEP personnel now turn out at chapter meetings, and the Chapter now also holds meetings at DEP office periodically. Cedric mentioned that he is pushing for National to provide a list of why CHMMs are better qualified than non-CHMMs and go to corporations to show them why they should seek CHMM personnel.

During the Sunday business meeting, the 2009 Plan for the organization was described as Expansion and Investment in Growth, comprised of the following components: Building Capacity; Creating Flexibility; Providing the best professional development benefits possible; Winning new members; Making the Organization stronger; and, Reinvestment of extra funds to education and support. Some means of making this possible include partnerships with Branta Worldwide for training, Overnight Software, Inc., a promotional video, and a NIOSH Strategic Partnership.

Harry Kemp, the new President spoke during the CD&L Meetings, and he considers 2009 as "The Year to Get Things Done". He discussed how in 2006-2007 there was a reassessment of the organization governance, and development of Strategic Planning Sessions, comprised of a structural pyramid, with the following components (from the point of the pyramid, downward): Core Purpose; Vision; Mission; Goals; Objectives; Tactical Initiatives and Operational Plan; and Research – Qualitative and Quantitative. The goal of the Strategic Planning Sessions is to ensure structure and definitive objectives, to assure that "things get done" this year. Harry presented the following outline for to lead the organization into the Future:

- VISION:
  - To be the recognized global leader & resource for hazardous materials professionals
- MISSION:
  - Provide value to members and other stakeholders by focusing on the key goal areas of: strengthening communications; enhancing public and government relations
  - The Plan is the Plan – stick to the plan
  - Decision-making filter: resource limitations; vision-mission
- STEPS TO SUCCESS:
  - Growth through memberships
  - Focus on chapter Development
  - Expansion and Professional Development
  - Strategic Partnerships & affiliations
  - Fortify CHMMunity
  - Your Action and Involvement

Harry provided a positive, dynamic and exciting vision for the organization – he has a vision for growth, and presents an exciting future for the organization.

The CD&L Meetings were an excellent part of the Convention – a tremendous learning experience to see what other Chapters are thinking and doing, as well as to see the goals of National, and the direction the organization is heading.

The Technical Sessions this year included a wide array of topics – and I attended several sessions each day – too many to discuss in this summary. However, there were ample topics to choose from, and the presentations were all excellent and informative. Key note speakers during the convention included Christine Todd Whitman, head of the USEPA, and Ed Foulke, the head of OSHA, both of whom had relevant timely topics.

This year I have to say was a tremendous learning experience for me – as a result of the CD&L Meetings before the convention, the technical presentations throughout the event, and the Emergency Response Scenario on the last day. I saw folks I'd met during the previous convention, and made many new connections. It was a wonderful opportunity to learn, grow, and network professionally – and provided me with ideas to pursue for future career growth and opportunities.

## NEACHMM Standing Committees

Public Relations & Marketing	Zehra Schneider Graham <a href="mailto:zehra@umb.edu">zehra@umb.edu</a>
Government Affairs	
Professional Development	Eric Jensen <a href="mailto:ejensen@ebiconsulting.com">ejensen@ebiconsulting.com</a>
Membership	Mike Maheux <a href="mailto:Mike.Maheux@lenoxtools.com">Mike.Maheux@lenoxtools.com</a>
Certification Review Course	Kelly Camp <a href="mailto:kcamp@woodardcurran.com">kcamp@woodardcurran.com</a>

## Tentative 2009NEACHMM Schedule\*\*\*

January 12	Board of Directors Meeting
February 9	Board of Directors Meeting
February 26	General Membership Meeting #1 – Annual Meeting – Regulatory Updates Best Western, Waltham
March 9	Board of Directors Meeting
March 25-27	ACHMM Leadership Workshop – St. Louis, Mo
April 3, 10, May 1, 8	CHMM Review Course Waltham, MA
April 13	Board of Directors Meeting
April 29	General Membership Meeting #2 – Stormwater Regulations – Proposed Changes Best Western, Waltham
May 11	Board of Directors Meeting
June 3	ASEE Joint Meeting – Combustible Dust
June 8	Board of Directors Meeting
August 30-September 3	AHMP National Conference – San Diego, CA
September 14	Board of Directors Meeting
September 14	NEAIHA Joint Meeting - TBD
October 5	Board of Directors Meeting
October	Tour - TBD
November 9	Board of Directors Meeting
November	General Membership Meeting & Year-end Social - TBD
December 14	Board of Directors Meeting

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Board of Directors Meetings are held at Woodard and Curran in Dedham, MA.

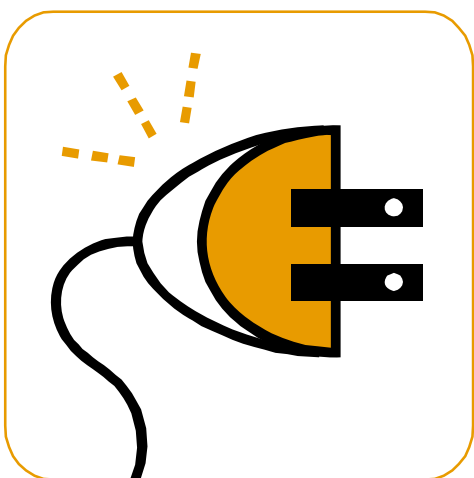
General Membership Meeting Locations are TBD. See [www.neachmm.com](http://www.neachmm.com) for latest information

## 2009 Annual Meeting February 26, 2009

MaryEllen Doherty, CHMM

As required by the chapter's bylaws, the first meeting in 2009 consisted of reviewing and voting on the annual operating plan and budget. The vote was unanimous in accepting the plan and budget. The technical presentation portion of the meeting consisted of a presentation and discussion on "RCRA Reform for Colleges and Universities" in regards to the new regulations at 40 CFR 262.200 -.216, Subpart K. Gail Hall, EHS Officer at Boston College, with support from Zehra Schneider Graham, Deputy director of EHS at UMASS-Boston,

discussed and presented the methods and analysis used by their locations to manage the flexibility of these regulations such as for satellite areas in laboratories and hazardous waste determination. Laboratory waste streams include unused chemicals, unknown chemicals, and waste from teaching labs and research labs. Unique situations such as where and how wastes are generated are the basis for the flexibility of these new regulations for laboratories in a university setting.



## 2009 NEACHMM Board of Directors

President	Gail Hall <a href="mailto:gail.hall@bc.edu">gail.hall@bc.edu</a>
Vice-President/President-Elect	Eric Jensen <a href="mailto:ejensen@ebiconsulting.com">ejensen@ebiconsulting.com</a>
Secretary	Hugh Willis <a href="mailto:Hugh.Willis@comcast.net">Hugh.Willis@comcast.net</a>
Treasurer	Jim Harrison <a href="mailto:james.harrison2@baesystems.com">james.harrison2@baesystems.com</a>
Immediate Past President	Kelly Camp <a href="mailto:kcamp@woodardcurran.com">kcamp@woodardcurran.com</a>
Director-at-Large	Matt Hackman <a href="mailto:matthew-e-hackman@cox.net">matthew-e-hackman@cox.net</a>
Director-at-Large	MaryEllen Doherty <a href="mailto:Maryellen.Doherty@exeloncorp.com">Maryellen.Doherty@exeloncorp.com</a>
Director-at-Large	Mike Maheux <a href="mailto:Mike.Maheux@lenoxtools.com">Mike.Maheux@lenoxtools.com</a>
Director-at-Large	Matt Montefusco <a href="mailto:oece@comcast.net">oece@comcast.net</a>

***Congratulations to MaryEllen Doherty and John H. Mitchell who received Champions of Excellence Awards at the 2008 National Conference in Minneapolis***

## About NEACHMM

NEACHMM is a nonprofit organization, residing in the state of Massachusetts. The Chapter includes members from the states of Maine, Massachusetts, New Hampshire, Rhode Island and Vermont. The Chapter is considered a local chapter of the

Alliance of Hazardous Materials Professionals (AHMP), which is located in Maryland.

As an AHMP chapter, we are organized to provide CHMMs and other members with an environment fostering professional development through continuing education, peer-group interaction, and exchange

of ideas and information relating to hazardous materials management.

## NEACHMM MISSION

The Chapter's mission is to provide a balanced program for its members in the following five areas:

- Environmental Health and Safety
- Regulatory Compliance and Policy
- Science and Technology
- Hazardous Materials Handling, Emergency Response and Remediation
- Strategic Environmental Management

This mission is fulfilled by:

- Professional recognition of CHMMs
- Providing, promoting, and encouraging continuing education to achieve and maintain certification and to document Chapter-recognized related training.
- Providing a forum for information exchange among peers to promote qualified environmental decision making.
- Broadening the CHMM scope and understanding of prudent hazardous materials' management, in the interest of protecting human health and the environment.
- Increasing knowledge and experience related to new technologies, government regulations and community

