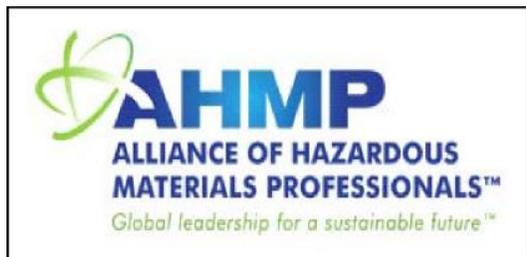


The Hazardous Materials Manager

EASTERN WASHINGTON CHAPTER OF THE ACADEMY OF CERTIFIED HAZARDOUS MATERIALS MANAGERS NEWSLETTER



Eastern Washington Chapter of the Academy of Certified Hazardous Materials Managers

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Richland, WA 99352
<http://www.ewcachmm.org>

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President's Corner

By Chuck Mulkey, President

In response to several individuals who have asked me about the CHMM credential, I thought that I would provide the following:

- The CHMM and CHMP credentials received accreditation in 2009 from the American National Standards Institute (ANSI) under ANSI/ISO/IEC 17024, the international standard for personnel certification programs.
- Accreditation by ANSI and CESB demonstrates that IHMM's credentials meet standards for:
 - Validity of the certification examination program
 - Fairness of the procedures for determining applicant eligibility
 - Adequacy of requirements for ensuring maintenance and enhancement of professional qualifications (recertification)
 - Professionalism and independence of the certifying body
 - Openness of the program to public scrutiny
- State Recognition
 - Holders of the CHMM credential who have five years of experience in hazardous substance remediation may pre-qualify for the Cleanup Star site remediation program of the New Jersey Department of Environmental (NJDEP). CHMMs in Connecticut may supervise and sign off on wastewater permits/aquifer protection plans. In Indiana, CHMMs are authorized to sign plans for soil remediation in underground storage tank (UST) closure projects. In the State of New York, CHMMs are recognized as Qualified Environmental Professionals for the purpose of certifying Institutional Controls/ Engineering Controls (ICs/ECs), for Environmental Restoration Projects, State Superfund Projects, Brownfields Cleanup Projects, and Voluntary Cleanup Program Projects.



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- Private Industry
 - Corporations throughout the country have recognized the significance of credentialing their environmental professionals, and their preference is the CHMM certification. Some of the companies encouraging their professionals to attain the CHMM credential include: AARCHER, ENSR, 3E, Teris, Tetra Tech, Shaw Group, URS, Terracon, Sara Lee, Public Service Electric and Gas (NJ), Boeing, Delphi, and General Motors Corp.

I want to remind everyone that the end of the year is coming and we need to start planning for next year. EWC is looking for individuals to participate as Officers and/or Chairs of the Executive Committee. Involvement in the Executive Committee provides the opportunity to support community service. It can build or enhance your leadership skills, as well as boost to your resume. EWC's meetings are coordinated around your availability. So, please consider volunteering or nominating someone for a position. Nominations are due by October 31st.

EWC Hosts Presentation on State Requirements for Mercury-containing Lamps and Elemental Mercury

Harold Tilden, CHMM, Senior Environmental Policy Advisor at the Pacific Northwest National Laboratory, provided a presentation on Wednesday, September 26th at the Richland Library (Doris Roberts Gallery). Harold discussed the impacts of the new Washington State law regarding mercury-containing lamps and elemental mercury.



Did you know that effective January 1, 2013 it will be a violation of the law to place a lamp that contains mercury in the trash? It may be necessary to change mercury lamp providers and/or revisit the way burned-out lamps are handled. Mercury-lamp manufacturers will be required to pay a fee to the state to fund the lamp collection program and some manufacturers may decide to stop marketing lamps in Washington. The new law also forbids the sale or purchase of bulk mercury in the state (with limited exceptions) after June 30, 2012.



Harold's talk was informative. He included many insights and resources for both households and facilities with mercury lamps. He said there are very few recyclers in the United States. Lamps should be packaged well since they could be traveling a long distance on the highways, after they leave your facility. He explained how broken lamps must be containerized to prevent releases. He also described the changes with elemental/non-amalgamated mercury and mentioned the upcoming mercury repository. If you are looking for additional information on this subject, contact Harold at harold.tilden@pnnl.gov.

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EWC Member Profile - Gary R. Cox, CHMM



Gary Cox has been involved in the Hazardous Waste Management field for over 30 years and is a long-time EWC member. He began his career as an Environmental Engineer with Rockwell Hanford in 1979, moving into the position of Waste Operations Manager at the UNC.

At one time, he was an Environmental Compliance Officer with Lockheed Missiles & Space Company in Sunnyvale, CA, and the Manager of the Environmental Health & Safety Group with Raytheon Systems Company-Santa Barbara, CA. He is currently an Environmental Compliance Officer at the Hanford Site in the state of Washington for MSA, LLC.

Gary is also the Vigneron of Cox Canyon Vineyards. He has created many wonderful wines enjoyed around the Pacific Northwest, with the support from his wife Suzie. His wines have been served at previous EWC sponsored events, including at last year's awards banquet. Before launching his vineyard, Gary had many years of experience as a Plant & Soil Scientist. He obtained his Bachelor of Science from Southern Illinois University in Plant & Soil Science and a Master of Science from Washington State University in Agronomy and Soils. In addition to running a vineyard and holding a full-time position at Hanford, Gary is an Instructor of Agro Ecosystems at Yakima Valley Community College in Grandview. He has taught Sustainability, Terroir, and Biodynamics for the last seven years.



Gary is a Master Watershed Stewart dedicated to balancing water rights for both fisheries and agriculture, a Certified Hazardous Materials Manager minimizing the impact of chemical usage on the environment, and an avid fly-fisherman on the quality waters of the nearby Yakima River.

We hope you have the opportunity to catch-up with Gary soon and to sample some Ellensburg Canyon Vista wine. Treat yourself to a glass of Ralf Rae Red, White, Rose', or Riesling (all named after his dog Ralf), for a refreshing change of pace. If you want to enjoy yourself and learn something at the same time, get to know Gary. He is one of those people willing to go the extra mile.



Mistakes of the Past

(And How Not to Repeat Them!) - Part 7

“Anything Tinkered With Long Enough Eventually Breaks”

Harold Tilden, CHMM

[Author's Note: This article is intended to take a look at past activities in the light of how to learn from them. No accusations of impropriety on anyone's part are intended; usually the actions taken were "state of the art" at the time.]

A major waste disposal site operated for a number of years in an advantageous location. It was near a major metropolis (Los Angeles), but far enough away to not raise public interest there. It was located in a sparsely populated area. It had favorable geology and hydrogeology – natural clay deposits over 100' above the groundwater table.



The site was established initially to manage liquid wastes through land application, treatment in clay-lined surface impoundments, or injection wells. These management methods resulted in significant underground contamination. The facility also maintained a landfill capability. After RCRA regulations established regulatory standards for liquids disposal, the site shifted its focus to its landfill business, although it did construct new, compliant surface impoundments to serve its established customers. EPA took new enforcement actions on the facility to address the established contamination issues. The

facility stopped taking new wastes for disposal in 1989. After a few years, the owners abandoned the efforts to properly clean up and close the facility.

EPA has taken several interim remedial actions to close and cap landfills. Other actions have been deferred to an integrated remedy that is still being designed 15 years later.

The EPA did sue the owners/operators and retrieved several million dollars; however, the bulk of the remedial costs has fallen to 54 generators that sent roughly half of the waste disposed at the facility. The state of California was one of the largest generators and contributed \$15 million.

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Lessons Learned:

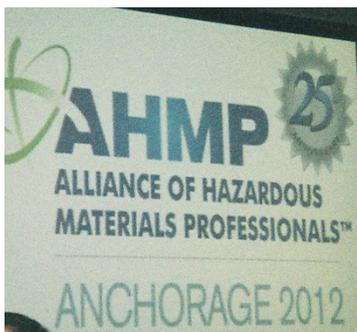
- Just because a facility has a permit does not mean it is in compliance with either the permit or the regulations. In this case, it took a series of enforcement actions to cause the facility to take remedial action in earnest.
- Sometimes a regulatory agency will allow a facility to continue to operate (on a limited basis) in order to make enough money to carry out the remedies the agency has directed the facility to undertake. Unfortunately, more recent waste shipments are usually better documented than historical ones, so the new generators become potentially responsible parties under Superfund for old contamination.
- Waste management technology is advancing rapidly, so don't be afraid to question why you do what you do with your wastes. Many of the clients of this facility had been long-time users and ended up with a very large cleanup bill.

EWC Launches 2013 Membership Drive

Join EWC today! Your dues for 2012 will be waived and you will have the opportunity to win an Anthony's \$50 gift certificate (drawing to be held at the 2012 Awards/Holiday Banquet at the Columbia Point Marriott in Richland).

If you would like to learn more about the benefits of EWC membership or get additional information, contact Roni Swan at rhonda_i_roni_swan@rl.gov (372-9627) or Chuck Mulkey at charles_h_mulkey@rl.gov (373-4077). Membership in your local EWC Chapter will provide you with CHMM certification points, continuing professional development and opportunities to network with your peers.

Alliance of Hazardous Materials Professionals 2012 National Conference - Reflections from Alaska



hazardous materials professionals. And, the weather was great!

Imagine seeing moose crossings, snow covered glaciers, sleepy fishing towns and reindeer sausage. You would have seen these and more, if you would have been present at this year's AHMP National conference. Held from September 7th through September 14th in Anchorage, Alaska, this informative event provided up-to-date information for a multitude of

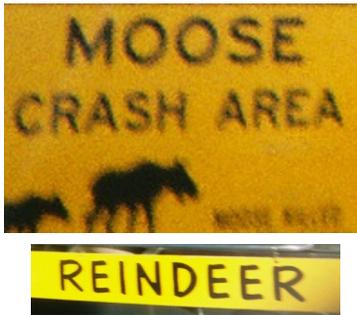


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To kick-off the conference, Martin Buser, a four-time Iditarod winner (he won in 1992, 1994, 1997, and 2002), provided a presentation showing the challenges facing a musher on the trail (and he shared tips on how to keep foods from becoming hazardous when out in the wilderness). Martin devised a demonstration allowing the attendees to watch Iditarod dogs pull a sled with Cedric Calhoun, AHMP's National Director, as the musher with the reins guiding the dogs. A number of Martin's dogs were present, along with some young puppies. The conference attendees were able to learn first-hand about the nature of sled dogs and how they work. For dog lovers like me, this was a grand treat!

The Iditarod Trail Sled Dog Race is an annual sled dog race run that begins in early March, running from Anchorage to Nome. Mushers and a dog team of 12 to 16 dogs run through sub-zero temperatures. Martin said that once temperatures of minus 60 degrees are encountered, a temperature of minus 40 degrees feels like Hawaii.



Another worthwhile presentation consisted of a panel of four representatives from U.S. Federal agencies. Each panelist provided an overview discussion on their agency before participating in a question and answer session with the audience. There were two representatives from the U.S. Department of Transportation. Mr. Bill Bronrott, Deputy Administrator, Federal Motor Carrier Safety Administration and Timothy P. Butters, Deputy Administrator, Pipeline and Hazardous Materials Safety Administration, were present. They discussed some of the current requirements and improvements in the past year.

Also, Scott Ketcham, Area Director of the Occupational Safety & Health Administration (OSHA) in Anchorage and Dianne Soderlund, Director, U.S. Environmental Protection Agency (EPA), Region 10, shared their insights on current OSHA and EPA rule-makings and enforcement challenges.



OSHA