

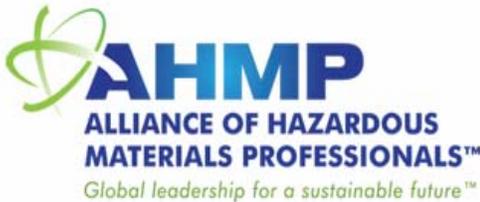


## EASTERN WASHINGTON CHAPTER OF THE ACADEMY OF CERTIFIED HAZARDOUS MATERIALS MANAGERS

Fall Issue - 2010

### EWC-ACHMM NEWSLETTER

## PRESIDENT'S CORNER



### Eastern Washington Chapter of the Academy of Certified Hazardous Materials Managers

1370 Jadwin, Ste 113  
Richland, WA 99352

<http://www.ewcachmm.org>

#### Current Officers:

President: Mike Schmoltd  
Vice President: Russ Johnson  
Secretary: Pat Wicks / Tom Ashley  
Treasurer: Chuck Mulkey  
Past President: Robbie Tidwell

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Membership Development: Mandy Heasler  
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Awards: Scot Adams  
Scholarships: Andrea Prignano  
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Education: Jim Jewitt  
Newsletter: Roni Swan/Rose Nipper  
Past President's Advisory Council: Chuck Mulkey, Rampur Viswanath, Andrea Prignano

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2009—Robbie Tidwell  
2008—Mark Riess  
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2006—Robbie Tidwell  
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2002—Rampur Viswanath  
2001—Stan Jones  
2000—Roni Swan  
1999—Chris Brevick  
1998—Robert Newell  
1997—Delores Lutter  
1996—Terry Ostrander  
1995—Bill Holstein  
1994—Brian Dixon  
1993—Bruce Vesper

Fall Has Definitely Arrived! The cooler temperatures have returned and the trees are starting to turn colorful. Our EWC annual social is scheduled for September 30<sup>th</sup> at Barnard Griffin winery and we expect to have a wonderful evening with great appetizers. We are encouraging guests to attend this event (will represent this year's informal membership drive) – so bring someone along (there will be no charge to either the member or their guest[s]). A group of EWC members attended the annual AHMP conference in Atlanta earlier this month and brought back national awards (three of our chapter members were present to receive the *Champion of Excellence* award, which motivated me to say, "Ooh, I want one of those next year!"). As the Chapter delegate at the conference, I got to attend with the conference fee waived. For that perk, I had to attend some additional training on Sunday, and proctor two of the technical sessions. I was able to interface with the National delegates on integrating the current AHMP direction with our EWC goals (not an easy task). I was fortunate that my sessions were on Monday, and were sessions that I would have attended anyway. Then I got to enjoy the rest of the conference without any extra duties. Planning for future conferences, next year will be in Austin, Texas, while the following year is planned for Anchorage, Alaska. I hope more members, including myself, get to go!

I want to congratulate the India Chapter (EWC's sister Chapter) for having facilitated having the very first International CHMM credential awarded in India. A gentleman from Bombay passed the exam while in India. We now expect more local CHMM candidates will also pass the exam since we have our own CHMM testing facility in Richland.

Russ Johnson (EWC's incoming President for 2011 and current Vice President)

## Relax and Have a Great Evening at the Fall Wine Social!!!

Join the Eastern Washington Chapter (EWC) for  
another fun evening at our annual wine social.

**Date/Time:** Thursday, September 30, 2010 (6:00 – 8:00 PM)

**Location:** Barnard Griffin Winery, 878 Tulip Lane, Richland WA  
(Just off Columbia Park Trail near Queensgate)

**Phone:** 509-627-0266

Come meet your fellow environmental and waste management professionals, make new friends, and do a little networking. This event is free and open to the public and is a great way to kick-off your fall season. We will be presenting a surprise free wine gift to one of our attendees so don't miss your chance to sign up and win. Wine friendly Hors d'oeuvres will also be served.

**RSVP:** For more information, contact Roni Swan at (509) 372-9627 or (509) 302-1402.



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# Upcoming Webinar

**Optimizing Substrate Utilization by Manipulating Microbial Activity during Reductive Dechlorination**, Reductive dechlorination is a biological process that is based on establishing and maintaining specific environmental conditions until all of the constituents of concern have been degraded. This is typically accomplished by adding a carbon substrate (an electron donor) that is metabolized by various microbial communities until highly anaerobic, or reductive, conditions are present throughout the treatment zone. Because most uncontaminated ground water systems contain some mass of electron acceptors (dissolved oxygen, nitrates, manganese, iron, and sulfate), sufficient carbon substrate, or electron donor, must be added to satisfy these electron acceptor needs. Ground water systems are also dynamic as electron acceptors are continually being introduced through advection or percolation. To establish and maintain an anaerobic system capable of supporting reductive dechlorination, a balance between introduced electron donors (carbon substrate) and the flux of electron acceptors must be maintained for the life of the remedial action. Carbon substrates include a variety of materials ranging from highly soluble sodium lactate to slowly soluble materials such as vegetable oil. A recent chlorinated solvent site in California reported a reduction in the rate of degradation of contaminants about

8 months after a slowly soluble carbon substrate was introduced. This was evidenced by a drop in pH, an apparent leveling off of contaminant concentrations, and an appearance of acetone that suggested that an alternate fermentation pathway was being favored. This presentation reviews the selection process and the results of the nutrient addition. What are three learning objectives for the above listed session(s)?

- Understanding that different biological processes can occur at any given site.
- Recognize that you can change subsurface conditions dramatically by adding various amounts of carbon substrate.
- Recognize that the rate that a substrate dissolves is important in designing an in situ bioremediation remedy.

**Speaker/Host:** Mike Sieczkowski, Technical Sales Director, JRW Bioremediation, L.L.C.

**Date:** Tuesday, September 28, 2010

**Time:** 1:00PM(Eastern)/12:00PM(Central)/11:00AM (Mountain) /10:00AM(Pacific)

**Duration:** 1 hour 30 minutes

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## Annual Regional Award 2010 Nominations

### Eastern Washington Chapter of the Academy of Certified Hazardous Materials Managers

The Eastern Washington Chapter of the Academy of Certified Hazardous Materials Managers is again seeking nominations for its awards program. DOE is sponsoring a new award this year and other awards are sponsored by Hanford Contractors. The following awards are available:

- 1. Excellence in Hazardous Materials Management Award**[Awarded to a team, organization, project; need not be national or chapter member]
- 2. Hazardous Materials Manager of the Year Award** [Awarded to an individual; need not be national of chapter member]
- 3. U.S. Department of Energy, Office of River Protection, Manager's Award for Exemplary Service NEW**  
[Awarded to an individual; need not be national of chapter member]

**4. Meritorious Achievement to the EWCACHMM Award** [Awarded to an individual; need to be national or chapter member]

**5. Outstanding Service Award**[Awarded to a chapter member]

Awards are for activities that occurred from October 1 2009 up until October 1, 2010. After that time, there will be time to prepare nominations. The awards will be presented in December 2010. We encourage interested parties to start preparing the nominations now. Historically, most awards have been given for work at Hanford. However, we are aware of a number of other non-Hanford projects that have the capability of receiving awards this year. Non-Hanford project have received awards in the past and nominations are being solicited for work outside of Hanford.

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## EWC MEMBERS RECEIVE NATIONAL AWARDS

The Alliance of Hazardous Material Professionals (AHMP) awarded four members of the *Eastern Washington Chapter of Certified Hazardous Material Managers (EWC)* the Champion of Excellence award at the AHMP national conference in Atlanta, GA, on September 14th. The four members are **Tom Ashley** of ARES Corporation (picture), **Mike Schmoldt** and **Robbie Tidwell** of Pacific National Northwest Laboratory, and **Rampur Viswanath** of Washington River Protection Solutions. This award signifies these individuals met multiple service criteria that promote protective management practices, including ensuring public/worker safety and awareness.



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# EWC Hosts B-Reactor Tour

On September 9<sup>th</sup>, the EWC hosted about 40 people on a tour of the B-Reactor at the Hanford Site in Eastern Washington. Byron Robertson and Bob Horgos (tour guides/docents), provided an overview on how the reactor worked and discussed the historical value of the facility. B-Reactor was named as a National Historic Landmark in 2008. It is an example of the first generation of nuclear reactors and the first production-scale nuclear reactor ever made.

Hanford, originally known as the Hanford Engineer Works, was situated on a site of 670-square miles. Built in World War II (in secret and in a hurry), B-Reactor played a key role in ending the war.



By the summer of 1942, General Leslie R. Groves was placed in charge of the "Manhattan Project." He took an active part in the selection of the Hanford area where the Bonneville and Coulee dams were a reliable source of electrical power, and the Columbia River water provided abundant quantities of cold cooling water.

Completed in September 1944, B-Reactor produced pluto-

onium for the world's first atomic bomb, the Trinity test on July 16, 1945 and the bomb that destroyed Nagasaki on August 9, 1945. The plant was built in less than twelve months and Enrico Fermi was personally in charge of the loading. The first irradiated slugs were discharged from the reactor on Christmas day in 1944.



The successful operation of the Hanford B-Reactor was a major milestone in U.S. history with the subsequent development of atomic energy. The research work, engineering and planning required to make the reactor operate is one of man's most brilliant scientific and advanced engineering achievements. Although many different types of scientists and engineers contributed to the ultimate success, much of the reactor core, cooling system, shielding and auxiliary support systems were designed by mechanical engineers.

During the early years at Hanford, the site was turned into an atomic boomtown with a population of 51,000 in 1943. Many code names were used for the work at that time. The B-Reactor Project was known simply as "Olive."

The production of plutonium at Hanford was accomplished in the shortest possible time to provide for military requirements. The Project required the construction of a manufacturing plant including fuel fabrication, the reactors or piles, remotely operated chemical separations facilities, a large construction camp, a village for operations personnel and for the attendants supporting services. Special consideration was given to the unprecedented problems created by the magnitude of the Project, the long distances between plant units, isolation of the site, the short time available, the high quality of construction and the need for military secrecy and security.

B-Reactor was shut down in 1968.

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## ANNOUNCEMENT

The Eastern Washington Chapter of the Alliance of Hazardous Materials Managers has opened nominations for 2011. Please nominate yourself or another willing CHMM for the following officer and committee positions:

<b>Officers:</b>	<b>Committees:</b>		
Vice President	Professional Development	Awards	Government Liaison
Treasurer	Membership	Scholarship and Education	Newsletter
Secretary	Public and Community Relations		

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## SHIRTS NOW AVAILABLE FROM AHMP

**AHMP T-Shirts - \$15, Polo Shirts (Women) S, M, L, XL - \$30;  
Polo Shirts (Men) S, M, L, - \$35 Or XL & XXL - \$40**

**By Fax:** (301) 634-7431 with your credit card.

**By Phone:** (800) 437-0137 with your credit card.

**By Mail:** 9650 Rockville Pike, Bethesda, MD 20814

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# Regulatory News

## EPA Rules for Undefined Waste

EPA's authority to categorize materials as hazardous waste without seeking public comment has been supported by a federal appeals court ruling, and a key waste lawyer says this should send a warning to industry to be careful in handling undefined materials and consider them hazardous until EPA issues a decision that they are non-hazardous. In its unanimous Aug. 17 ruling in the case of U.S. vs. Magnesium Corp of America, the U.S. Court of Appeals for the 10th Circuit sided with EPA against the company's allegations that the agency illegally sought to revise its determination that the company's waste was hazardous and subject to regulation under subtitle C of the Resource Conservation & Recovery Act (RCRA). The court determined that U.S. Magnesium failed to achieve RCRA compliance because it depended on a "tentative" EPA assessment of the waste at issue that was not a final decision. "What this decision really says to me on RCRA compliance is you've got to make sure you have a determination from the agency that is as clear and iron clad as possible, and if there is any doubt you should manage the material as hazardous until you can clear that up," the waste lawyer says. The ruling comes as U.S. Magnesium in 2009 issued a challenge to EPA's decision to place one of its facilities on the Superfund National Priorities List, charging the agency with trying to bypass the Utah.

## EPA Proposes Frequency of Reporting Under TSCA

EPA is proposing several actions to improve chemical reporting under the Toxic Substances Control Act (TSCA), including increasing the frequency of reporting. The Inventory Update Reporting Rule under TSCA allows EPA to collect and update information on the following:

- Volumes of chemical production,
- Manufacturing facility data, and
- Chemical use.

Designed to help the agency make data available to the public more quickly, the proposed rule would require manufacturers (including importers) to submit information electronically. Chemical manufacturers would have additional reporting requirements and confidential reporting would be limited.

EPA will seek public comment on the proposal, and will make

electronic reporting software and associated guidance materials available before the start of the submission period. Comments received will aid EPA in developing the final rule and guidance documents. The agency expects to finalize the modifications to the chemical information reporting rule in time for the next reporting period, June 1 - Sept. 30, 2011.

## EPA Postpones Ozone Rule

EPA notified the court of a delay in finalizing regulations under the Clean Air Act entitled "National Ambient Air Quality Standards for Ozone" (Ozone NAAQS). EPA filed the status report with the U.S. Court of Appeals in the District of Columbia on August 20, 2010, detailing its response to earlier petitions against rules the agency proposed in 2008. The petitioners' case against EPA is currently being held in abeyance by order of the court, while the agency completes ongoing rulemaking in reconsideration of the Ozone NAAQS rule.

EPA initially proposed to issue its proposed rule on ozone NAAQS reconsideration by December 21, 2009, and to sign the final action by August 31, 2010. The proposed rule was actually published on January 19, 2010, and it invited public comments. Because of the time necessary to review each comment and take the steps necessary to reach and issue a final decision, the agency decided to postpone the original projected date of the final rule. The current schedule for the release of the final rule on the reconsideration of the 2008 Ozone standard is now "on or about the end" of October 2010.

## EPA Issues Rule for Elemental Mercury

EPA issued a significant new use rule (SNUR) yesterday under the Toxic Substances Control Act (TSCA) for elemental mercury used in flow meters, natural gas manometers, and pyrometers. The new rule effective August 20, 2010, will require manufacturers, importers, and processors of elemental mercury to notify EPA at least 90 days in advance of any activity now labeled as a significant new rule under the law. Exceptions apply to the manufacture and processing of elemental mercury for use in flow meters, natural gas manometers, and pyrometers in service as of September 11, 2009. EPA will use information provided in the notification to evaluate the intended use, and determine whether to allow the activity or to prohibit or limit it.

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## AHMP's CHMM® Exam Now Available at Over 400 Test Sites Worldwide

The Institute of Hazardous Materials Management (IHMM) announced at the annual convention in Atlanta in September many international testing sites had been set up. They also acknowledged that they had recently awarded a CHMM credential to a gentleman from Mumbai, India on August 4<sup>th</sup>. The IHMM also recognized that the success of delivering the CHMM exam in India was achieved primarily by the relentless pursuit of one of our own members, Rampur Viswanath. Thanks to Rampur, it is expected that many more CHMM credentials will soon begin to be awarded world-wide.