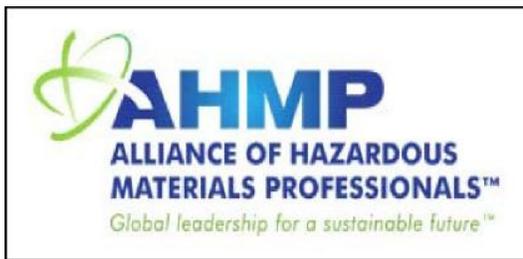


The Hazardous Materials Manager

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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1996—Terry Ostrander
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1993—Bruce Vesper

PRESIDENT'S CORNER

From our President, Russ Johnson, CHMM

First, I would like to give congratulations to Roni Swan and Rose Nipper for their outstanding efforts in winning the National AHMP Chapter Newsletter Award. Next year we may be primed for an award too with the excellent help of Ginger Petaschnick on the Newsletter this year.

I would also like to congratulate Dr. Rampur Viswanath for his winning of the 2010 Pete Cook Founders Award. I also won a Champion of Excellence Award (my first, not to blow my own horn) and Rampur, too, was awarded another Champion of Excellence award for 2010.

I was not able to attend this year's National Conference in Austin, Texas. I remember attending the awards reception at the 2010 AHMP Conference in Atlanta, Georgia, last year thinking, "Oh Boy, would I like to get one of those!" My disappointment was mitigated somewhat by the fact that I did not have to go to Texas in August, having lived there for two years. I am familiar with how uncomfortable the heat and humidity in Austin can be. However, next year's conference is scheduled for Anchorage, Alaska, and I am starting to plan now. I am hoping to include some vacation time there with my wife. And, other EWC members have said that they too are planning to attend the 2012 National Conference in Anchorage. I am encouraged that next year will be a great opportunity for many of us to get together!

However, it is discouraging to hear about so many friends and colleagues that have been laid off this year. I want to be sure that the EWC lets you, our members, know about the resources that are available to help you with job searches. And remember, networking is a powerful tool. In spite of the layoffs, there is a lot of work still to be done at Hanford, as well throughout Eastern Washington. Be sure to let the EWC Chapter know of opportunities so we can post them for our members. Also, be sure you update your alternate contact information with the EWC, the National AHMP, and the Institute of Hazardous Materials Management (IHMM). We want to be able to stay in touch. The seasons are changing and it looks like Fall has found us again this year.

We have the awards banquet scheduled for December 8th, and are currently evaluating nominations for awards, so if you have a project that you think should win an award, please submit your nomination.

And, if you are a former member, we would like you to get involved again. We seek new members and leaders that would like to participate in the Executive Committee. We want to know what would you like to see from the Chapter and what would give you value? We look forward to hearing from you! And, hope to see you in December.

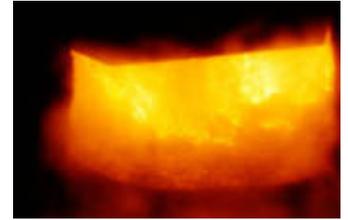


MISTAKES OF THE PAST

(And How Not to Repeat Them!) - Part 3

“Recycle. Open Checkbook. Keep Writing.”

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 small company reprocessed animal by-products and brewer’s yeast. In the 1960s, as the area around them became more urbanized, they expanded to recycle, reclaim, treat, and dispose of industrial wastes such as solvents, acids, and metal-bearing wastes such as flue dust and electroplating waste. This service was unique in the Seattle area, and over 300 Northwest generators sent one or more waste streams to the site.

Unfortunately, the company’s ability to treat or recycle anything was extremely limited. Activities such as fuel blending were not done with proper care, and the resulting off-specification material accumulated at the site. Most drums and other containers were stored outside, and deteriorated rapidly. Frequent contamination went to nearby waterways from spillage and stormwater. By 1983, at EPA and Ecology’s behest, a judge ordered the facility to cease operations, and EPA took over the site under CERCLA. Over 200,000 gallons of hazardous waste, 250,000 gallons of contaminated wastewater from surface impoundments, and 1,900 cubic yards of paint sludge were removed in an immediate removal action in order to stabilize the site. Most waste in tanks was left for future remediation.

Generators were identified and required to reimburse EPA and Ecology for immediate action costs. They have spent the last 28 years disposing of the rest of the waste, installing a slurry wall to prevent groundwater migration, and cleaning up contaminated groundwater. Now that wastes have been removed, contaminated soil removed and no further groundwater contamination escaping offsite, operational costs to the generators have been reduced from \$5 million per year to a mere \$700,000 per year. This system will operate for at least 20 more years unless natural attenuation results in acceptable levels of volatile organics and metals contamination.

Lessons Learned:

- Know Your Service Provider. Recycling is great, and is a much better thing to do with waste than disposal. However, can the company you are contracting with really handle your waste and make something of value from it?
- Not All Recycling Is the Same. Blending waste so it meets (or is intended to meet) fuels criteria is not quite the same as recovering useful material. Consider whether your waste should be blended into “fuel” for someone else to burn. Not all processes for recovering useful material are created equal, either.
- Mixing Can Be Bad. Once your “good” waste is mixed with others’ “bad” waste, your waste is just as bad as the others’. Wooden pallets, concrete blocks, and slag at the site, once contaminated with leaking waste, had to be disposed of as hazardous.



2011 ANNUAL AWARDS BANQUET

Mark your calendar for this year’s annual awards banquet and holiday dinner to be held on Thursday, December 8th at Courtyard by Marriott at Columbia Point in Richland. More details will be announced soon.

HIGHLIGHTS FROM THE AHMP ANNUAL CONFERENCE

Robbie L. Tidwell, CHMM

The AHMP Conference was held in Austin, TX, August 25-31. It was well attended and over 600 registrants participated in the events. In attendance from the EWC was Rampur Viswanath, Chapter Delegate, and Robbie Tidwell, AHMP National Awards Chairman. During the opening session, Rampur received the Pete Cook Founders Award, the most distinguished award bestowed by the organization. It is given for exemplary service and outstanding accomplishments in support of AHMP. It was presented by Cedric Calhoun, President and CEO of AHMP. Tuesday evening, Robbie emceed the Awards Program at the Awards Reception. EWC received the Chapter Newsletter of the Year Award, which was accepted by Rampur on behalf of Roni Swan. Additionally, Rampur and Russ Johnson received the Champion of Excellence award along with 38 other members of AHMP.

The India Chapter was present and many activities were planned to show them a Texas welcome. Jai Prakash and Avinash Karnik also received the Champion of Excellence award. On Monday, the IHMM Board of Directors hosted a luncheon for the India Chapter members, Dr. S Manjappa, and A. Sadashivaiah, Chairman of Karnataka State Pollution Control in India (which is equivalent to our Regional EPA organization). The purpose of the meeting was to convey to Mr. Sadashivaiah and Mr. Manjappa the significance and value of having a certification when dealing with hazardous materials. The Board's message was well received and we hope to greatly increase the number of certificants through this endeavor. Jeff Greenwald, Executive Director of IHMM, has accepted the action to interface and develop this program with Mr. Sadashivaiah.

The weather in Texas was incredibly hot – 112 degrees. The coolest day we experienced was the last day of the conference, and that was 102 degrees. With a breeze blowing, it felt like you were standing in front of a furnace. Shortly after our departure, the Texas wildfires started. Our hearts go out to those who have lost so much in that area.

AHMP

Vision: To be the recognized global leader and resource for hazardous materials professionals.

Mission: To provide value to our members and other stakeholders by focusing on the key goal areas of:

- Advocating for our membership while enhancing government relations and public relations
- Strengthening communications among members and stakeholders
- Strengthening our membership and partnership base
- Improving management and governance operations and strengthening our financial base
- Providing superior educational resources and opportunities
- Serving our membership and chapters by providing new products, services and tools for success.

LEAD SAFE WORK – Lead Remediation, Repair and Painting Rule

Scot Adams, CHMM

40 CFR 745 was implemented on July 6, 2011 as part of TSCA. The standard applies to renovation and painting of homes, hospitals, child occupied facilities, schools, and rental or leased apartments. If a child is in the building 6

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hours per week it applies. It impacts maintenance staff, general contractors, painters, plumbers, carpenters, and electricians. If 6 ft² inside or 20 ft² of outside paint disturbance is planned for a pre-1978 building, then the rule applies. The focus is on potential releases of microscopic particles of lead based paints and avoidance of inhalation or ingestion. The rule also covers soils in yards and playgrounds.

Sanding, cutting, and demolition are constrained. Containment is needed. Ventilation is limited with respect to heating and air conditioning systems. HEPA vacuums are needed. Clean up verification is required. Formal training and certification are required for Inspectors, Risk Assessors, Supervisors, Workers, Project Designers, Sampling Technicians, and Analytical Laboratories. Commercial firms must be registered. Written notifications, signature acknowledgements, and pamphlets and signage are required with respect to building occupants. Individual home owners are exempt for their own work.

Waste is exempt from Federal hazardous waste requirements for residential structures. However, waste from other structures may be subject to disposal as hazardous waste. Complete demolition of structures may be subject to hazardous waste requirements. Local disposal requirements apply.

The program is administered nationally by the EPA. This includes training and certification programs. EPA maintains related web sites. In the state of Washington, the program is administered by the Department of Commerce as the Lead-Based Paint Program, WAC 365-230. This department requires registration for Renovators and Sampling Technicians. The Commerce Department maintains databases for registered Renovation Companies and Lead Based Paint Contractors. The Washington Department of Ecology has web sites for Paintings and Coatings, Sampling and Testing for Residential Lead Abatement, and Disposal.

There are enforcement provisions. Triple damages are possible. The program appears to be similar to the asbestos program, but lacks a focus on respirators and air monitoring. Sampling focuses on wipe samples and XRF.

<http://www.epa.gov/lead/pubs/toolkits.htm>

<http://www.epa.gov/oppt/lead/pubs/leadhaz.htm>

<http://www.epa.gov/lead/pubs/sbcomplianceguide.pdf>

http://www.commerce.wa.gov/portal/alias__CTED/lang__en/tabID__515/DesktopDefault.aspx?init

<http://www.commerce.wa.gov/DesktopModules/CTEDPublications/CTEDPublicationsView.aspx?tabID=0&ItemID=9419&Mid=870&wversion=Staging>

<http://www.ecy.wa.gov/programs/hwtr/demodebris/pages2/demopaint.html>

<http://www.ecy.wa.gov/programs/hwtr/demodebris/pages2/leadsample.html>

<http://www.ecy.wa.gov/programs/hwtr/demodebris/pages2/leadsummary.html>

ARCHIVED AHMP WEBINARS

Please Note: It will take one business day for your order to process at which time you will receive and email notification with download instructions and receive a username and a password. For questions please contact us at info@ahmpnet.org.

- High Hazard Chemicals in Laboratory Settings
School Chemical Cleanouts – Cyanide, the Bomb Squad and Adolescents, Oh My!
- Making Sustainability Work in a Global Company
- Cost Effective Strategies and Techniques for Compliance Assurance

Identifying Cultural Hazards: Four Clues Your Organization is Out of Balance.

WATER AGREEMENT REACHED IN COLUMBIA BASIN

From Washington State Department of Ecology – Water Resources Division



Ecology announced they have been aggressively pursuing new water supplies for Eastern Washington. The Lake Roosevelt release program will deliver new water to replace declining underground water to farmers in the Odessa area.

Construction of the Weber Siphon will allow Reclamation to bring 30,000 acre-feet of Lake Roosevelt Project water to as much as 10,000 acres of land now relying on unsustainable groundwater supplies for irrigation. Water will now be delivered to the parched Odessa Subarea and to communities up and down the Columbia River, while supporting stream flows for fish in the Columbia River. The new water service contract will allow new water rights to as many as 100 communities, and

will deliver water to the river when fish need it most.

EWC ANNOUNCES 2011 AWARDS TO BE PRESENTED REQUESTS SUBMITTAL OF NOMINATIONS

The Eastern Washington Chapter of the Academy of Certified Hazardous Materials Managers will continue with the local awards program for 2011. The performance period ends September 30, 2010. The actual awards will be presented in December at the annual banquet which will be held at the Marriott in Richland, WA. Please stop and consider what you and your coworkers have achieved over the past year.

Hanford projects tend to be large and involve extensive teams. Many people have characterized Hanford as a very dangerous place requiring ongoing reductions in risk. We tend to be so focused on day-to-day tasks that we are not fully aware of what has been accomplished.

There are a wide array of activities in the region that are protective of safety, health and the environment. Many people are working to protect the public and environment (from controlling illegal drug production, transportation of fuels and lubricants, exposures to agricultural chemicals, and many types of water and air protection activities). Most of these types of activities receive limited attention unless something goes wrong and exposures and releases occur. One of the functions of the Eastern Washington ACHMM award's program is to celebrate and acknowledge the many successes that we hear little about. It is important to recognize what has gone well and the protections that have been provided. We are surrounded by people making huge investments of time and money in protection and risk reduction activities.

The following awards are available:

1. Excellence in Hazardous Materials Management Award (sponsored by WRPS)
2. Hazardous Materials Manager of the Year Award (sponsored by WRPS)
3. U.S. Department of Energy, Office of River Protection's, Manager's Award for Exemplary Service (sponsored by DOE-ORP)
4. Meritorious Achievement to the EWCACHMM Award (sponsored by CHPRC)
5. Outstanding Service Award
6. Hazardous Materials Identification and Control Research Award (sponsored by CHPRC)

Please submit nominations on the nominee and accomplishments. Send to EWC-ACHMM, 1370 Jadwin, Ste 113, Richland, WA 99352 or to scadams@hotmail.com. Nominations should be received by November 1, 2011. More information on the awards can be obtained at the EWC website at ewcachmm.org.

REGULATORY NEWS

EPA Issues Final Chemical Reporting Rule. The EPA recently issued the final Chemical Data Reporting (CDR) Rule, which requires certain entities involved in the manufacture of chemical substances included on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory to report manufacturing, processing and use information to EPA. Although EPA released the rule as final, it still has not been published in the FR. The CDR Rule amends the TSCA Inventory Update Reporting (IUR) Rule and significantly increases the type and amount of information covered entities are required to report to EPA. Entities which will be initially impacted by the new CDR Rule are those that will manufacture chemical substances listed on the TSCA Inventory in volumes of 25,000 lbs. or more at a site within the United States during 2011. Manufactured chemical substances include those imported to a site located within the United States. Entities that may be required to report include: chemical substance manufacturers, chemical substance users and processors who may manufacture a byproduct chemical substance, as well an entity (foreign or domestic) responsible for importing a chemical substance to a site within the United States.

EPA Sets Schedule for Dioxin Assessments. EPA recently announced its plans to complete the non-cancer portion of EPA's Reanalysis of Key Issues Related to Dioxin Toxicity and Response to NAS Comments, and post the final non-cancer assessment to the Integrated Risk Information System (IRIS) by the end of January 2012. After completing the non-cancer portion, the Agency says it will finalize the cancer portion of the dioxin reanalysis as quickly as possible. The decision to split the dioxin assessment into two portions — the cancer assessment and the non-cancer assessment — followed the release by the Science Advisory Board (SAB) of its final review of EPA's dioxin toxicity reanalysis on August 26, 2011. The reanalysis responded to the recommendations and comments included in the National Academy of Sciences' (NAS) 2006 review of EPA's 2003 draft dioxin assessment.

National Transportation Safety Board Cites Operator's Lax Approach in Devastating Pipeline Explosion. On August 30, the five-member National Transportation Safety Board (NTSB) cited a California utility operator's lax approach to pipeline safety and the inadequate oversight of two government agencies in the probable cause of the most devastating pipeline accident in a decade. On September 9, 2010, a 30-inch diameter segment of a natural gas transmission pipeline, owned and operated by a California utility company, ruptured in a residential neighborhood in San Bruno, California. The force of the rupture ejected a 3000-pound 28-foot-long section of pipe about 100 feet from where it had been buried four feet underground. The released natural gas ignited into a towering fire that destroyed 38 homes and damaged 70. As a result, eight people were killed, dozens were injured, and many more were evacuated from the area and displaced from their homes. The nearly year-long NTSB investigation revealed that the utility did not know what kind of pipe it had installed beneath the city of San Bruno in 1956. Company records initially provided to NTSB investigators indicated that the ruptured section of pipe was a 30" seamless pipe when in fact, at the time, no manufacturer produced seamless pipe.

Investigators also determined that the ruptured section of pipe was a collection of short pipe pieces, commonly known as "pups," joined together with welds. Further metallurgic assessment by NTSB investigators determined that some of the pipe sections did not meet minimum material specifications and that the welds were poorly constructed. NTSB determined that the accident was clearly preventable stating that the company's inadequate pipeline integrity management program failed to identify, detect, and remove the substandard pipe segments before they ruptured.

Construction Companies Fined for Violating Stormwater Runoff Rules. An Arkansas construction company and one of its associated limited partnerships have agreed to pay a \$430,000 civil penalty to the United States to settle a series of construction stormwater violations that occurred during development of a nine-hole golf course and 64-building apartment project in Columbia, Missouri. Through a stipulation of settlement with the U.S. Department of Justice and EPA Region 7, filed in U.S. District Court in Jefferson City, MO, the companies agree to pay the civil

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penalty for violations of the federal Clean Water Act and terms of a construction stormwater permit issued by the State of Missouri.

EPA Region 7 inspected the construction site in May 2007 and noted failures to implement and maintain practices to minimize runoff, failures to follow a stormwater pollution prevention plan, failure to comply with water quality standards, and failures to conduct site inspections. EPA determined that the construction site lacked proper erosion controls, leading to accumulation of silt and sediment in Hominy Branch, a tributary of Hinkson Creek. Previous inspections by the Missouri Department of Natural Resources (MDNR) in July 2006 and April 2007 also found the defendants were not complying with stormwater management requirements, resulting in a letter of warning and a notice of violation issued by MDNR.

EPA issued a separate administrative compliance order to the defendants in August 2007, directing the companies to adhere to the requirements of the construction stormwater permit and take immediate actions to reduce runoff at the construction site. EPA says stormwater runoff from construction sites can be a significant environmental concern. Construction activity tends to increase soil erosion and runoff, which can choke streams and lakes with sediment. Such runoff, which may contain high levels of pollutants, results in increased turbidity and decreased oxygen in streams, killing fish, destroying spawning beds, and suffocating fish eggs. Sediment-laden runoff also blocks light and reduces the growth of beneficial water grasses.

PLANNING UNDERWAY TO HOLD ESSENTIALS OF HAZARDOUS MATERIALS MANAGEMENT COURSE

The Essentials of Hazardous Materials Management (EHMM), formerly known as the National Overview Course, is a key Alliance of Hazardous Materials Professionals (AHMP), educational program. It is designed as a preparation for the Certified Hazardous Materials Manager® (CHMM®) examination. The EHMM is designed as a broad introduction to the industry and provides instruction about laws and regulations as well as technologies and practices. It highlights topics and information hazardous materials managers need to know to better perform their jobs. The EHMM course in Richland is hosted by the Eastern Washington Chapter (EWC). The EHMM is endorsed by the United States Department of Energy's National Environmental Training Office.

The course is a cross-training tool that helps environmental, health, safety and security professionals quickly and effectively obtain knowledge in new areas as well as areas that have been added to their job responsibilities. It also helps those new to the profession gain a foundation and prepare for the CHMM® designation examination.

Additionally, those who already have earned the CHMM® designation can take Essentials of Hazardous Materials Management (EHMM) to obtain annual Credential Maintenance Points (CMPs).

To register for the course or to get additional information, contact Andrea Hopkins at andrea_m_hopkins@rl.gov.

JOB POSTINGS

- Area Forester, Port Blakely Tree Farms, Tumwater, WA - Full Time/Indefinite BA/BS/Undergraduate , 5-7 years experience
- Environmental Health & Safety Manager, Schweitzer Engineering Laboratories, Pullman, WA
- Sr. Projects Controls Specialist, ATL International, Richland WA - Contact
- Training and Development Manager (Craft & Technical), Avista Corporation, Spokane, WA