



# CEHA

## POINT SOURCE

### Colorado Environmental Health Association

2010 Special AEC Edition

www.CEHAweb.com

## INSIDE

- Letter from the President.....1
- Annual Education Conference.....2
- Partnering for Food Safety.....3
- NEHA Region 3 Report.....6
- Air & Waste Track.....7
- Sustainability & Built Environment.....9
- Body Art Track.....10
- Zoonosis Track.....10
- Awards Nominations.....11
- Water/Wastewater Track.....14
- EHSA Update.....14
- Rubber Rock.....15

### SUBMISSIONS

Contact Amanda Hensley at the Public Health Alliance to submit your story or update for the next Point Source Newsletter.

**800 Grant Street, Ste 335  
Denver, CO 80203  
303.861.4995**

**Amanda@calpho.org**

*Please note that the views expressed in the Point Source Newsletter are those of the authors and do not necessarily reflect the official policy or position of the Colorado Environmental Health Association.*

## Letter from the President

*Carmen Vandembark*

CEHA President & Nominating Committee Chair

Consumer Protection Coordinator, Northeast Colorado Health Department



Hello CEHA Members:

Here we are already into July! As another birthday rolls around, I am reminded of how fast time goes now and how much older I am getting! It seems there is never enough time in the day to get everything done. Even so CEHA's Board of Directors has been hard at work planning trainings, collaborating with other associations, and recognizing our members and the students who will be our future workforce, with various scholarship opportunities.

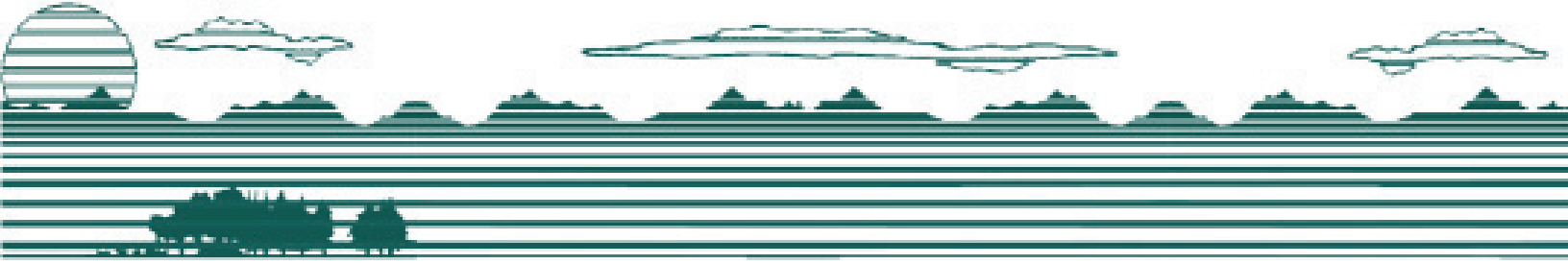
On April 12, 2010, CEHA held its first body art one day training class, Body Art 101. It was well attended and received very positive reviews. It was a chance to mix education with great networking opportunities between regulators, public health nurses, and artists in the industry. We also tried something new by posting all presentations to the website to allow attendees to have access to the wealth

of information given and to keep with CEHA's mission for sustainability.

That same month, several members of the Board of Directors selected two worthy environmental health science projects for awards at this year's State Science Fair at Colorado State University (CSU). We hope to have the senior project winner present a poster session at our Annual Educational Conference and Exhibition (AEC) so that all of the membership can get a chance to see the innovative project that Kelli Lynch presented to us. We also met with the Environmental Health Student's Association (EHSA) at CSU to explain what CEHA is all about and answer questions the students had about our organization. Several have expressed interest in planning a part of our AEC to earn scholarships to attend this year.

A co-sponsored networking event and membership drive with the Colorado Society for Public Health Education (COSPHE) was held later that evening at Biaggi's Restaurant in Loveland. Members and guests alike enjoyed

*continued on page 5*



# Annual Education Conference & Exhibition

**Paul Rees**

*CEHA AEC Planning Committee Chair*

Environmental Health Specialist, Larimer County Health Department

The 2010 CEHA Annual Education Conference and Exhibition will be held Monday September 29, 2010 through early afternoon on Thursday September 30, 2010 and is lining up to be an opportunity for Environmental Health Specialists new to the field as well as those that have worked in the profession for a longer time. This year's AEC is to be focused on collaboration and partnerships. CEHA has collaborated in the past with various agencies and departments that have focused on a local (state wide) concept, but this year we are pleased to announce a collaborative effort with FDA Southwest Region Conference and will expand to welcome attendees and speakers from across the region. We have contracted with the Doubletree Hotel Colorado Springs - World Arena to host this year's conference and

hope that by locating the conference on Colorado's Front Range more people will have the opportunity to attend. In addition to location, this site is offering a reduced room rate for attendees, free shuttle service to and from the Colorado Springs Airport and local area attractions.

This year's AEC will lead off with a collaborative welcome address followed by the keynote speaker, which we are proud to announce is Mr. Nelson Fabian, Executive Director of the National Environmental Health Association. Mr. Fabian will address the profession in terms of Collaboration and Partnership. Following the keynote address the FDA southwest conference educational sessions will begin and will continue through Thursday afternoon. These educational sessions associated with FDA's conference are open to any full conference registrant. In addition many different networking opportunities and educational tracks are planned including an exhibitor reception late Tuesday afternoon, the annual awards banquet on Wednesday evening as well as a silent auction that supports the CEHA Scholarship Fund.

On top of this full schedule of events and networking opportunities the Colorado Environmental Health Association will offer four concurrent educational tracks including topics such as water and wastewater,

## Annual CEHA Business Luncheon

**TUESDAY, SEPTEMBER 28, 2010**

**12:00 PM - 1:30 PM**

*With an update from NEHA Region 3 Regional Vice President,*

**ROY KROEGER, REHS**

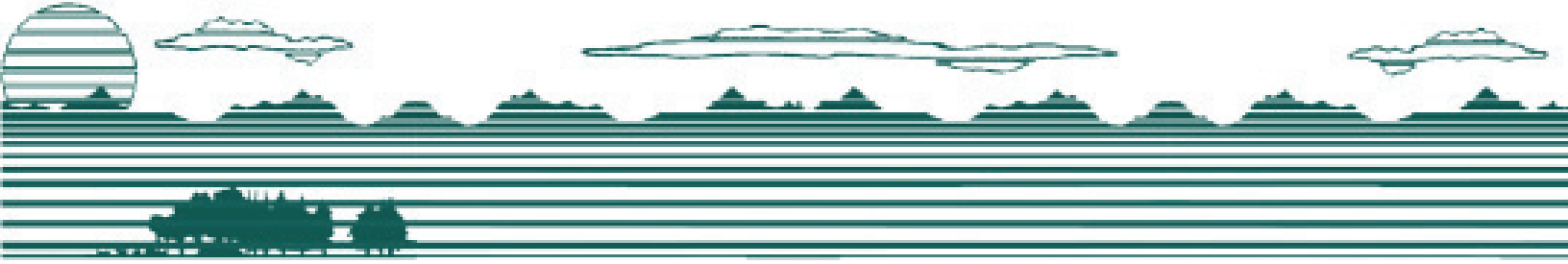
body art, sustainability, Zoonotic disease, general environmental health, emergency preparedness, and air and waste. These tracks and the FDA food safety tracks are all designed to allow attendees to jump from track to track without interrupting or missing out on any of the information so it is easy to hear or see any speaker or topic of interest to the attendee.

Please do not miss out on this one of a kind opportunity to increase your knowledge of the profession and meet people from around the region. See what's going on in neighboring states or catch up with colleagues that maybe have not been available to your location. The 55th Colorado Environmental Health Associations Annual Education Conference and Exhibition is going to be one of those conferences that you do not want to miss. Information on registration for the conference as well as room reservations can be obtained by visiting [www.cehawe.com](http://www.cehawe.com).

### Scholarships Available!

*For the 55th AEC*

Active & student members in good standing with CEHA may apply for scholarships to cover registration (one day or entire conference) for the AEC. To apply, email [Thomas.butts@cehawe.com](mailto:Thomas.butts@cehawe.com), & include a general description of the need / value of the scholarship to the applicant.



## Partnering for Food Safety

A Glimpse into the extraordinary lineup for the **FDA Southwest Region Food Safety Seminar** being held in coordination with the **CEHA 55th Annual Education Conference & Exhibition** in majestic Colorado Springs!

### **Nicole Grisham, REHS, CP-FS**

CEHA Past President

Environmental Protection Specialist, CDPHE

Each year the Colorado Environmental Health Association (CEHA) approaches the planning of our Annual Education Conference & Exhibition (AEC) with the goal of providing our membership with valuable education and networking opportunities to enrich the environmental health professional. This year CEHA had the unique opportunity to collaborate with the Colorado Department of Public Health and Environment (CDPHE), Division of Environmental Health and Sustainability (DEHS), and the Food and Drug Administration (FDA), to host the FDA Southwest Region Food Safety Seminar (Seminar) and bring a wealth of food safety expertise to Colorado. The excitement that has been building over this phenomenal session is overwhelming! The FDA Southwest Region covers eleven states and the Seminar provides three days of education, learning, building, sharing, and networking with national, state, and local food safety experts and academia, as well as leaders in the food safety industry.

The AEC will kick off on the morning of Tuesday, September 28th with a welcome from our CEHA President, Carmen Vandenbark, and FDA Southwest Region Food and Drug Director, Dennis E. Baker. This morning session will bring together both the AEC and Seminar attendees

for exemplary presentations on the topics of collaboration, leadership, program improvement, technology applications, and preparedness from nationally recognized speakers. The Food Safety Seminar will begin Tuesday after lunch with a much anticipated topic and speaker! CEHA is proud to have Dr. Elaine Scallan, Assistant Professor of the Department of Epidemiology at the Colorado School of Public Health give us the most up to date information on her collaborative study with the Centers of Disease Control on the burden and trends of foodborne disease in the United States. Recent trends in foodborne diseases will be discussed along with methods for estimating the overall human health impact of disease from contaminated foods consumed in the United States.

Next on the Tuesday agenda is a panel discussion with representation from Southwest Region states Texas, Nebraska, Oklahoma, and Kansas on their participation in the FDA's Voluntary National Retail Food Regulatory Program Standards (standards). These representatives will share which standards they have met and how, what challenges they faced with any standards, how the standards have benefited their programs, and the successes they have had in implementing the

standards. This multi-state view will be followed up with a presentation from DEHS on how their retail food program has incorporated the standards in their various functions. DEHS in conjunction with the FDA is hosting a one day standards seminar which is a beginning step in a committed effort to educate, assist, and empower Colorado jurisdictions to utilize the standards as a means of continuous program improvement.

Last but not least, Tuesday's session will wrap up with a presentation on tools to assist in foodborne illness investigations. The CDPHE, Disease Control and Environmental Epidemiology Division (DCEED) in coordination with Colorado local environmental health jurisdictions will share various tools for the environmental health professional to utilize when conducting the onsite environmental assessment associated with an investigation. Interviewing questions and techniques related to employee illness and hygiene will be presented along with an overview of tactics for getting to the important information and details.

Immediately following the Tuesday session will be the Networking & Exhibitor Reception where attendees will be able to meet with CEHA's sustaining members and other environmental health industry

*continued on page 4*



*Partnering, continued from page 3*

representatives to learn about their company, product, or service. The reception allows for CEHA AEC and Seminar attendees to mingle and network while gaining the industry contacts and resources they need in their day to day duties. Additionally, attendees will form teams and take a stab at the EH Knowledge Bowl, a trivia competition where participants test their knowledge against questions from the National Environmental Health Association's (NEHA), Registered Environmental Health Sanitarian Exam (REHS). The winner of this event receives a free full conference registration to the 2011 NEHA AEC in Columbus, Ohio. The Networking and Exhibitor Reception is always a favorite and brings everyone together for some fun, food, and drink to start the week!

Day two of the Seminar continues on Wednesday, September 29th with an update from the Conference of Food Protection from 2012 Conference Chair, Mary Fandrey. Linda Collins, FDA Regional Food Specialist will follow with an overview of the recent FDA Trend Analysis Risk Factor Study. This important study focuses on the foodborne illness risk factors and the presentation will cover the trends that are seen and how to interpret and respond to their meaning. This will be followed by a presentation on the concerns around allergens at the retail level, and a presentation on service animal applications in retail food establishments. This intriguing presentation on applications of service animals will provide an overview of ADA requirements as well as a summary of a 2009 Missouri service monkey court case. A panel discussion will follow with the Southwest Region states of

Wyoming, Utah, New Mexico, and Colorado represented as they discuss the various regulatory issues seen around farmer's markets and differing applications of the "cottage rule", a specialized approved production of foods in a domestic kitchen for sale to the public through farmer's markets. To wrap up our Wednesday session, the FDA's Division of Federal-State Relations will provide an overview of what is up and coming from their agency along with a discussion on funding sources for food safety initiatives.

Following Wednesday's presentations, the FDA Southwest Region State Reports will commence. All state reports will also be available online for review prior to the AEC. The state reports will lead us into the Southwest Region Meeting to be held on Thursday September 30th. While participation in the Southwest Region Meeting is limited to FDA Staff, FDA Standardized Officers, State Program Managers, and Local Retail Food Program Managers, all are welcome to come listen, observe, and learn! This meeting will provide an update from the Center for Food Safety and Applied Nutrition (CFSAN), a review of the recent revision to the FDA standardization procedures, funding guidelines for the Voluntary National Retail Food Regulatory Program Standards, discuss the location for the 2011 Seminar, and much more!

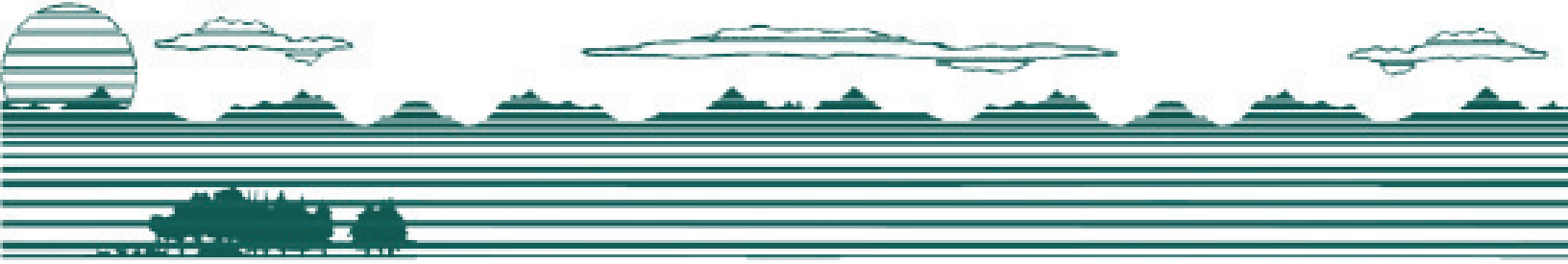
And what conference would be complete without an exceptional preconference workshop! That's right! On Tuesday, September 27th, a unique workshop titled "Taking the Chill out of Cook-chill HACCP Plan Reviews" will provide attendees with a mock

Hazard Analysis of Critical Control Point (HACCP) plan to review and identify corrections. This interactive workshop will be presented by Mario Seminara, RS, FDA Regional Food Specialist from 2-5pm and is offered for only \$25! At this price, nobody can afford to miss this valuable and essential opportunity!

So don't be the one to miss out on this year's CEHA AEC and FDA Southwest Region Food Safety Seminar! Visit CEHA's AEC page on the website at [www.cehaweb.com](http://www.cehaweb.com) to make your room reservations with the Doubletree Hotel Colorado Springs – World Arena now. The lodging facility is magnificent, Colorado Springs is exquisite, and the low CEHA early bird rate of \$88++ per night is available three days prior to and following the AEC for those who care to indulge a family vacation. Remember to mention you are with the Colorado Environmental Health Association and provide our group code, "CEH" when making your lodging reservation. Updates on conference registration, activities, and agendas are also available on the website so check back frequently as you will not want to miss this fabulous event!

May everyone have a wonderful summer and we look forward to seeing everyone at the CEHA 55th AEC and FDA Southwest Region Food Safety Seminar in Colorado Springs this fall!





*Letter from the President, cont'd from page 1*

light appetizers, socializing and short presentations from both organizations. Drawings were held for a gift certificate and two free memberships. Our membership drive concluded after Public Health Week with forty-three new members joining our organization!

In early June, CEHA sent President-Elect, Dan Collins, and me to this year's National Environmental Health Association (NEHA) AEC in Albuquerque, NM. We participated in affiliate presidents' meetings, focus groups and other educational and networking sessions. The conference offered a wide variety of presentations and provided a great opportunity to meet the other association's officers from many states. It also allowed us to learn more about NEHA and our relationship with them as an affiliate.

On June 22, 2010, CEHA sponsored an 8 Hour OSHA Update, HAZWOPER Refresher Training. It also was well attended and received and provided many members the recertification they needed.

Now, CEHA's 55th AEC is right around the corner! This year's conference and exhibition will be held at the Doubletree Hotel Colorado Springs-World Arena during September 27-30, 2010. We are fortunate to have a unique opportunity to collaborate with the FDA Southwest Region Food Safety Seminar. This seminar has not been held in Colorado in over ten years and the conference is shaping up to be very exciting, with cutting edge presentations. The agenda will include tracks in drinking water and wastewater, food safety, body art, including a live tattoo and piercing demonstration, sustainability and the built environment, and all-hazards

preparedness. We are planning to offer NEHA's Registered Environmental Health Specialist certification, a pre-conference training workshop with FDA's, Mario Seminara, an exhibitor and professional networking reception, another great silent auction and much more. Conference registration for two and a half days of education and networking is only \$185. Lodging at the Doubletree is only \$88 a night and will include a free breakfast coupon with each room night. To help more of our members attend the conference this year, the board created ten scholarships to be used for full conference registrations. The applications, brochures and registration information will soon be posted on our website.

We will also be honoring our most prestigious members with the Milton M. Miller and the Environmental Achievement and Industry Awards at our annual awards banquet. Let's show our fellow colleagues how appreciative we are of their efforts and really honor their achievements in the field of Environmental Health. We should be celebrating our successes! Nominations are due by August 12, 2010. You may submit your nominations easily online or directly to me at [carmenv@nchd.org](mailto:carmenv@nchd.org) or by mail to CEHA, 800 Grant Street, Suite 335, Denver, CO 80203.

As I think back on the past 5 years I have served on the board, I am amazed at how my involvement with CEHA has grown and shaped me as a professional in our field. I have developed valuable qualities such as leadership, organizational and networking skills. It also has given me a great sense of accomplishment, knowing I have contributed to the

cause that so many of us believe in. I would urge each and every one of you, to consider volunteering for the organization. Even though I have contributed many hours to the association, I truly feel that I have gained so much more than I have given.

There are several areas to volunteer your time; the several committees that make up CEHA, including the education planning committee and the board. In order to continue providing educational opportunities, scholarships, awards and the other exceptional member benefits CEHA members enjoy, the organization needs more volunteers. This year, the association will have four Board of Directors positions open by November. Any member in good standing for at least a year can run for the open Southeast, Northeast, and Industry positions. The President Elect position will also be open this year and any member in good standing and have served on the Board of Directors for one year is eligible to fill this position. Please contact me if you have any questions about these positions and to send your intent to run, including a brief biography (200 words or less) by August 12th, 2010. The new members will be announced at our Annual Business Meeting, on September 28, 2010 and will begin their terms in November.

As always, I invite you to share your thoughts and ideas by emailing me at [carmenv@nchd.org](mailto:carmenv@nchd.org). I hope to see all of you in Colorado Springs this September! Have a great summer!

Carmen Vandenberg  
CEHA President

## Exhibitors and Sponsors for the 2010 AEC

Is your organization interested in having an exhibit booth at the AEC or providing sponsorship funds? Many opportunities are available for both exhibitors and sponsors.

Organizations who are current sustaining members of CEHA can exhibit at the AEC for just **\$150** which includes a full conference registration!

For more information on exhibiting or sponsoring opportunities, please visit [www.CEHAweb.com](http://www.CEHAweb.com) or contact Carmen Vandebark at 970-522-3741, 1261 or email [carmenv@nchd.org](mailto:carmenv@nchd.org).



## NEHA Region 3 Report

**Roy Kroeger, REHS**

Region 3 RVP, National Environmental Health Association

### 2010 AEC in Albuquerque

Just a few short weeks ago, environmental health specialists and professionals alike converged on the Albuquerque, NM. Attendees were looking for the latest environmental health information and technology. They were seeking an opportunity to network with other environmental and public health professionals.

This year, NEHA's 74th Annual Educational Conference (AEC) & Exhibition was held June 6-9, 2010, in Albuquerque and hosted over 940 attendees, including professionals from many other nations. Attendees had a plethora of educational sessions to choose from on twenty plus topics ranging from food safety to onsite wastewater to sustainability. They could also choose from eight pre-conference workshops, hear from preeminent experts on several topics, and attend an impressive poster session or numerous networking and social events.

For many of the attendees, highlights of their conference experience included meeting new colleagues, seeing old friends, sharing research with professionals from around the world, gathering new ideas, and receiving cutting-edge education. NEHA focused on providing a Return on Investment (RoI) this year, which simply means that you would be able to return to your workplace after the conference with the ability to implement program improvements and help create bottom line results for your organization.

I hope many of you have the opportunity to make it to the next NEHA AEC and exhibit in Columbus, OH in June, 2011.

### AEC Scholarships

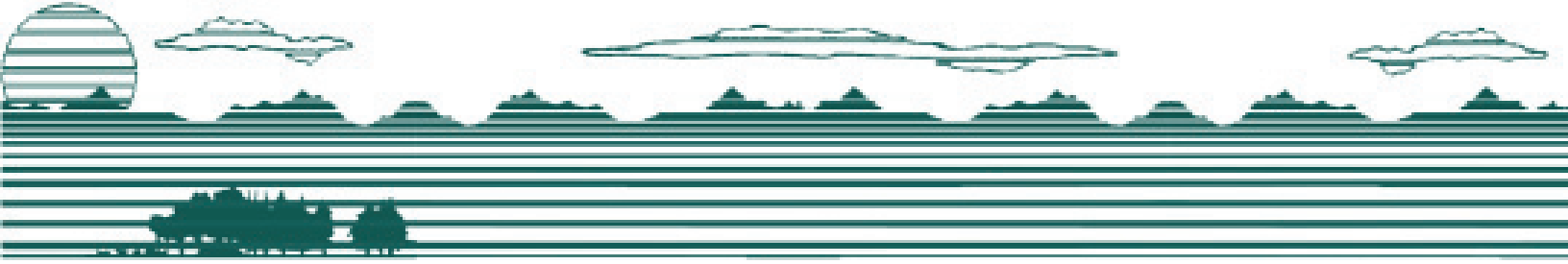
During the past AEC, NEHA was able to secure \$35,000 of funding from FDA and Decade Software to provide scholarships to the AEC. In 2011, NEHA will continue to work to receive even more funding for more scholarships. FDA has already signed on to help next year, and there is even a possibility of a Hilton/Doubletree Hotels Scholarship.

### Work with ASHTO on workforce services

NEHA was recently asked to join forces with the Association of State and Territorial Health Officials (ASTHO) on a workforce services project. The State Environmental Health Directors (SEHDs) within ASHTO have made workforce challenges a priority focus area for the coming years. ASHTO recognizes that our workforce has no uniform national credential requirement and is also facing the increased concerns of retaining quality staff and recruiting quality candidates.

### What has NEHA done for me!

Over the past six months NEHA has been active in the support of local environmental health positions in state legislative sessions. NEHA has supported the state environmental health position on: food safety issues in Wyoming and Iowa, radon certification in Missouri, workforce retention in New Jersey and recently a body art regulation in California.



## Air and Waste Track

**Lynn Robbio Wagner, MAS, REHS**

Environmental Health Field Supervisor, Tri-County Health Department

This year the CEHA Annual Education Conference is having an exciting Air and Waste Track that will be held on Wednesday, September 29th. This education track is loaded with new program highlights and innovative strategies to address recycling, compliance, emerging air pollutants, health impact assessments, multi-agency response plus solid and hazardous waste topics. This track, is a “must see”, for the environmental health professional wanting to stay informed of the most cutting edge and up to date air and waste information. Don't miss the networking lunch from 12:00 noon -1:00 pm and remember you can earn your National Environmental Health Association continuing education credits for this track! The Air and Waste Track will include the following topics and speakers:

**Use of Health Impact Assessment (HIA) to Help Inform Decision Making Regarding Natural Gas Drilling Permits in Colorado. Speakers: Roxana Witter MD, MSPH and Jim Rada, REHS**

In the American West, there is strong, ongoing interest in tapping energy resources, sometimes in proximity to residential communities. Natural gas exploration and production (E&P) is known to introduce a variety of physical and chemical hazards into the environment. Fluctuations in the number of resident workers, changes in infrastructure, and new demands

on community resources contribute to environmental, social and health consequences. Because of a concern about potential adverse health effects, residents of Battlement Mesa, Garfield County, Colorado petitioned their county government to conduct health impact studies prior to issuing natural gas drilling permits in their community. Through collaboration between Garfield County Public Health, the Colorado School of Public Health and stakeholder groups, we embarked on a Health Impact Assessment (HIA). The goal was to focus in three areas of health concern: exposure to emissions and contaminants in air and water; truck traffic effects on physical and mental health; intermittent spills, leaks and fires associated with gas E&P. Health consequences addressed included respiratory, cardiovascular, auditory, psychiatric, and injury/motor vehicle-related impacts, especially on susceptible and high risk individuals on and off the job. Although HIAs are not commonly conducted in the U.S., they provide a framework to use best available data to provide timely recommendations to decision-makers. The goal is to enable decision-makers to incorporate all available evidence on potential health impacts as part of the process of issuing E&P drilling permits and setting conditions to mitigate effects on public health. Speakers: Roxana Witter MD, MSPH and Jim Rada, REHS, Environmental Health Manager Garfield County Health Department

**Blowin' in the Wind: Air Issues and Regulations at Landfills. Speaker: Dana Podell, Environmental Protection Specialist, Air Pollution Division, CDPHE**

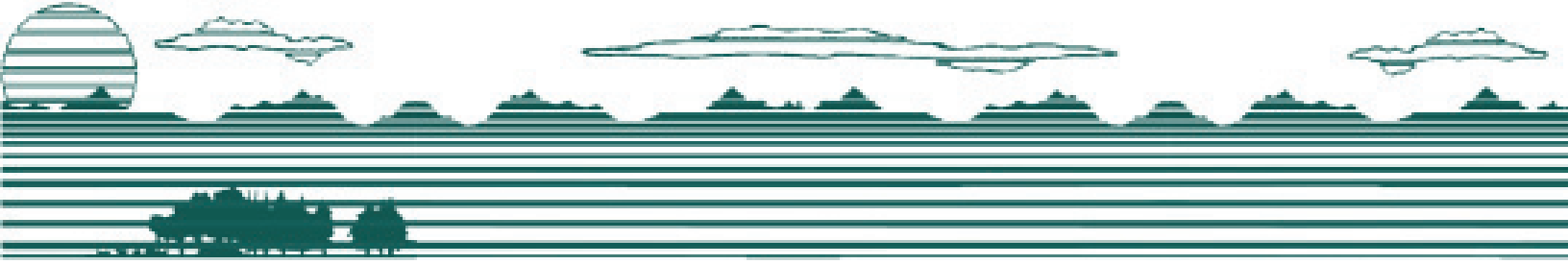
From ozone non-attainment to greenhouse gasses to renewable energy, landfills will have a role in many of the big air issues. In Colorado, new and existing regulations, as well as renewable fuels standards and carbon markets, are driving changes in landfill practices and control technology. This presentation will provide an overview of existing rules and the reasons for them, as well as a look at what's ahead.

**Big Foot-Fact or Fiction: Multi-media, Multi-agency Response to Foothills Water Treatment Plant Complaint. Speaker: Colleen Brisnehan, Environmental Protection Specialist, Hazardous Materials and Waste Management Division, CDPHE**

This presentation will provide an overview of the multi-agency and multi-media response to a complaint regarding the alleged disposal of asbestos-containing material and “toxic” waste at the Foothills Water Treatment Plant. The presentation will discuss the technical aspects of the response and the interwoven community involvement and media relations issues.

**Radon in Colorado. Speaker: Christine**

*continued on page 8*



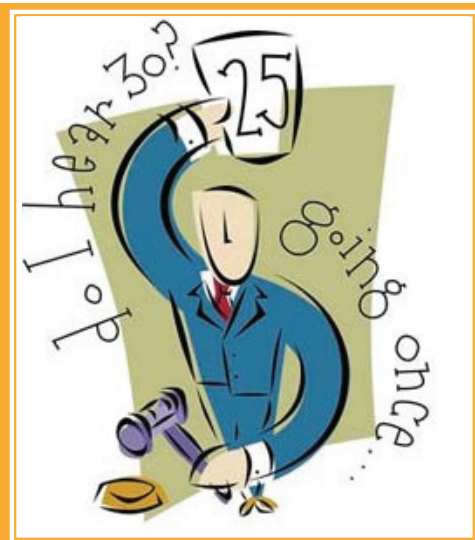
## SILENT AUCTION

We need your help! Every year we hold a Silent Auction to raise money to benefit CEHA's scholarship fund, which provides students financial assistance for educational and leadership opportunities in the Environmental Health profession. We are currently soliciting donations for the silent auction.

Not sure what to donate? No problem. Rally some office mates together, pitch in some money, and put together a fun themed gift basket! Here are some gift basket ideas:

Wine and Cheese, Local Brewery, Home spa, Night at the Movies, Sports Fanatic (Football, Baseball, Basketball, Hockey, Golf), Emergency Car Survival Kit, picnic for Two, Book Worm, Green Thumb Gardeners, Chocolate Treats, Fishing, Hunting, Barbeque Grill Master, Coffee/Tea Specialties. And many more...be creative and most importantly have fun!

If you, your agency, or someone you know who owns a business can provide any donated auction items, please contact Laura DeGolier at (303) 783-7134 or [ldegolie@tchd.org](mailto:ldegolie@tchd.org) to arrange for pick-up or drop-off of the items.



*Air & Waste Track, continued from page 7*

### **Kelley, Environmental Protection Specialist, Hazardous Materials and Waste Management Division, CDPHE**

This presentation will educate health and environmental professionals in Colorado on radon, including, but not limited to: the health effects of radon, a summary of statewide test results, proper mitigation procedures, an update on Radon Resistant New Construction, the status of radon in Colorado schools and an overview of the State Indoor Radon Grant process. Participants will also be provided with handouts and other educational materials which can be obtained from CDPHE for distribution to Colorado citizens.

### **Engines Off! Denver. Speaker: Presentation by Sabrina M. Williams, Environmental Protection Specialist, Denver Environmental Health**

Engines Off! Denver was developed in 2008 in order to raise awareness and change behaviors that lead to excessive vehicle idling in Denver. Engines Off! Denver engages public and private fleets, as well as businesses and schools, to reduce idling through utilization of

community-based social marketing strategies.

### **Midway Organics Recycling Facility. Speaker: Jessica Walko, P.E. Waste Management of Colorado**

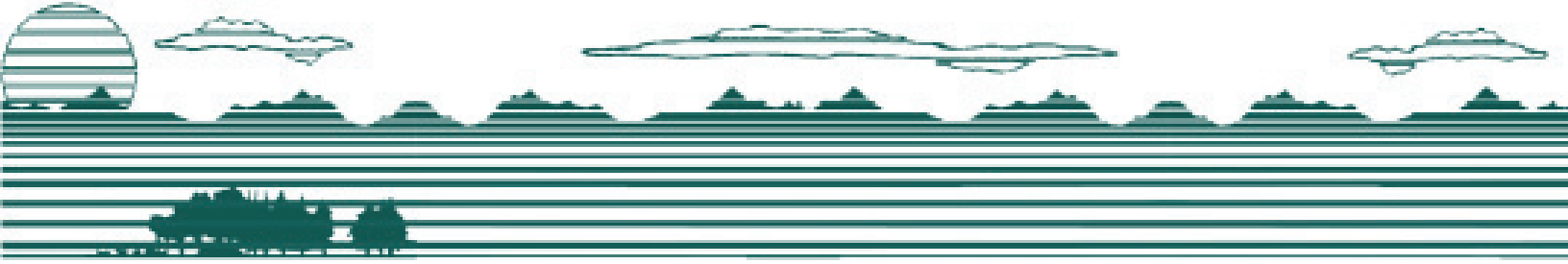
With the growing emphasis on sustainability and waste minimization, Waste Management is implementing efforts to divert organic waste to composting operations at existing landfill sites. Start-up of these composting facilities can be difficult due to seasonal or intermittent waste streams and issues related to prolonged storage of the feed stock materials. Alternative operation methods such as batch processing, feed stock stockpiling, and cooperation with other local composting entities has helped new facilities work toward full time operations.

### **Investigation & Prosecution of Environmental Crimes Speakers: Troy Arnold, Criminal Investigator, Colorado Attorney General Office and Michael Melito, Assistant Attorney General, Colorado Attorney General Office**

This presentation will focus on the Colorado Environmental Criminal Statutes and the role of the Colorado Attorney General to prosecute Environmental Crimes. In addition to case studies, attendees will gain insight into the types of cases that environmental health professionals can refer to the Colorado Attorney General for possible criminal prosecution.

### **New Recycling Initiatives in Aurora: Household Appliances and Mattresses. Speaker: Don Roche, BS, Senior Environmental Compliance Specialist, City of Aurora Planning Department**

Recycling programs, from Single-Stream to electronic waste, are extremely popular with a large segment of the population. Even in economic hard times, many citizens remain willing to pay a small fee to ensure that their items are properly recycled. New recycling programs for items such as household appliance, carpeting and mattresses strike a positive chord with the public and are beneficial to the community as a whole. This is particularly so when budget issues force cutbacks in other city services.



## Sustainability and the Built Environment

### **Mindi Ramig**

Environmental Health Specialist IV, Jefferson County Public Health

Our goal this year for the Sustainability and the Built Environment track is to provide AEC participants practical and useful tools for implementing health concepts locally which we can use to improve the health of our communities. Several strategies, with specific examples and results, will be presented in an effort to demonstrate the potential resources that are available for use in the environmental health profession. Here are the highlighted features for this year's track:

### **Complete Streets Make Healthier People: Reforming Street Design Policies to Combat Obesity**

Bill Sadler, a recent graduate of the Master of Urban & Regional Planning program, will discuss emerging 'Complete Streets' policies as an innovative way to address the health challenges we face with auto-oriented streets contributing to the obesity epidemic. The streets in many communities discourage walking and bicycling trips, and thus limit opportunities for physical activity. Additionally, prevailing laws and engineering standards often make the routine accommodation of pedestrians and bicyclists a challenge for both planners and public health officials looking to improve the health and quality of life of community residents. 'Complete Streets' policies require the construction of sidewalks, bicycle lanes, and other multimodal facilities on all streets as a routine practice. A number of case studies of 'Complete Streets' policies from America's largest cities, as well as local examples from the City and

*continued on page 12*

### Pre-Conference Workshop:

## Taking the Chill out of Cook-chill HACCP Plan Reviews

**Monday, September 27th, 2010 • 2:00 - 5:00 PM**

CEHA and the FDA are proud to offer this exciting workshop at this year's collaboration. We are pleased to have Mario Seminara, FDA, Regional Food Specialist, bring this engaging workshop to Colorado Springs with his wealth of knowledge and expertise in this area. Mario is known for his high quality presentations on Cook-chill and HACCP processes and now we are able to bring this expertise to you in the form of this workshop!

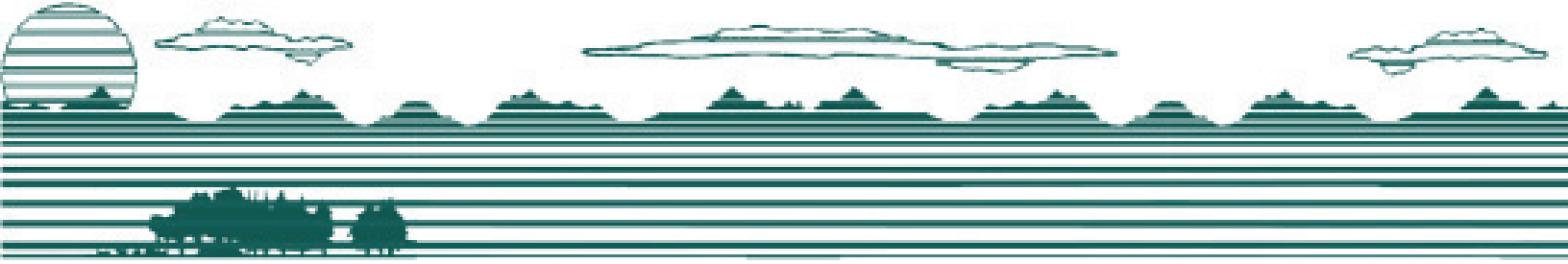
This interactive workshop will review the basics of the Cook-chill process and regulatory requirements, as set out in the 2009 FDA Food Code. The workshop will cover the elements of a Hazard Analysis of Critical Control Points (HACCP) plan and attendees will have a mock Cook-chill HACCP plan to review, identify public health concerns, and analyze for completeness and corrections. Unlike listening to a presentation on Cook-chill applications or aspects of a HACCP plan, this workshop will allow attendees to build knowledge and skills by actually reviewing a HACCP plan. This hands on workshop is a valuable tool to those either charged with writing or approving a HACCP plan.

### **Instructor:**

Mario Seminara, R.S., Regional Food Specialist  
Southwest Region, U.S. Food and Drug Administration

### **Registration Fee:**

\$25



## Returning for CEHA's 2010 AEC: A Body Art Track!

### **Keith Homersham**

Environmental Health Field Supervisor, Tri-County Health Department

### **Carmen Vandenburg**

CEHA President

Consumer Protection Coordinator, Northeast Colorado Health Department

The Colorado Environmental Health Association (CEHA) is excited to announce the return of a Body Art track at the Annual Education Conference (AEC) this year! It will consist of a full-day of body art information beginning the afternoon of September 29, 2010 and continuing through the morning of September 30, 2010. Presentations will include "The History of Body Art" and "The Modern Movement of Piercing" as presented by Mel Bustos of Northeast Colorado Health Department and Karl Schiemann of Schiemann Consulting Group. These presentations will provide attendees with historical information on body art and the current direction of the piercing industry.

Next, Angel from Pikes Peak Tattoo Studio will provide an introduction to tattooing and piercing equipment. This

is sure to be valuable information for regulatory agencies that conduct inspections in body art establishments and will be pertinent for anyone that is new to the program or has been working in the industry for some time.

Sarah Brustkern of El Paso County Health Department will present "Body Art Temp Events: Making Sense out of Chaos." This will be followed by two live body art demonstrations conducted by Austin Romesburg and Dustin Bastian of Pens and Needles Tattoo Studio, to further highlight the unique nature of body art temporary events! The intent of the live demonstration is to inform conference attendees of important requirements for artists and event coordinators participating in temporary body art events. This information will be quite

valuable to artists and regulators alike who have never been part of a body art temporary event.

Alicia Cardenas from Sol Tribe Studio will present a 2 hour Bloodborne Pathogens and Universal Precautions course to participants. Ms. Cardenas is certified by the Red Cross as a bloodborne pathogen course instructor and by the National Safety Council as a health educator. This exciting and very informative class teaches attendees important safety information as it applies to the body art industry. The Body Art track will conclude with a second presentation from Sarah Brustkern titled "Beyond the Ink." Ms. Brustkern will highlight the new trends and procedures that are starting to evolve in the body art industry.

## Zoonosis Track

### **Dr. Jim Dale, DVM**

Director, Environmental Health Services, Jefferson County Public Health

An exciting track is planned for this year's AEC in Colorado Springs. The featured speaker will be Dr. Elisabeth Lawaczeck, our State Public Health Veterinarian. Dr. Lawaczeck will provide updates on the terrestrial rabies epidemic and late breaking information about zoonoses across the state. This year we are going to have a late breaker session with Local Environmental Health zoonosis leads presenting on unique challenges and outbreaks at their Public Health agencies. Further, we are working with our colleagues at CSU to have a student session where the students will present short topics on the latest science about a zoonosis of their interest. Lastly we are working to invite an active or retired member of the staff from either the CDC Vector Control Unit at Ft. Collins or the CSU College of Veterinary Medicine to present in detail on an emerging zoonosis.



# ANNUAL CEHA AWARDS NOMINATIONS

The nature of the field of Environmental Health does not usually facilitate professional visibility, recognition, or kudos. As toilers in the field, we are rarely appreciated if we are doing our job well. How often have you heard somebody give thanks for their gastrointestinal health after consuming a meal out? When was the last time somebody sang your praises for helping to safeguard their drinking water supply? Chances are it's been a while! To recognize and honor those Environmental Health professionals whose dogged and persistent efforts protect the public and our environment, CEHA considers nominees for three awards each year. Please take advantage of the rare opportunity to recognize and support the passion of those individuals who dedicate their life's work to environmental health by submitting nominees for the following awards:

## **Environmental Achievement Award**

Each year, CEHA considers nominees for an Environmental Achievement Award that is awarded to an Environmental Health professional working in the field of Environmental Health, but not employed in an administrative position. Recipients must be a member of CEHA and will be selected on the basis of their helpful, courteous and professional service in working with the public and fellow professionals; their service should also bring credibility and respect to the field of Environmental Health.

## **Industry Environmental Achievement Award**

An Environmental Achievement Award is presented to an industry, company, or organization that has made a significant contribution to the field of Environmental Health in Colorado.

## **Milton M. Miller Award**

Milton M. Miller was a Public Health Service Officer in the 1930s and 1940s. He specialized in dairy plant inspections and dairy pasteurization operations. He developed the model dairy code for the state of Colorado. After WWII, he went to work for Denver University, where he established a school for sanitary science training. During his tenure at Denver University Mr. Miller was heavily involved with the Colorado Environmental Health Association (CEHA), at that time called the Rocky Mountain Section of the National Association of Sanitarians and the National Association of Sanitarians. Mr. Miller was CEHA's fourth president from 1950-1951. He organized the first ever Annual Educational Conference held at Denver University in 1954. Mr. Miller was editor of the Journal of Environmental Health in the 1950s, at that time called the Sanitarian which was published by the National Association of Sanitarians (now called NEHA). Mr. Miller also served on the NEHA Board of Directors as the Region Vice President in the 1950s. His long and distinguished career was recognized by NEHA. He received their highest honor, the Walter S. Mangold Award, in 1957. Each year CEHA honors one of its own members with the prestigious Milton M. Miller Award. This award is given to an outstanding Environmental Health Professional in the state of Colorado. To be eligible for this prestigious award, a nominee must: be a member in good standing of the Colorado Environmental Health Association, have performed professional duties in the field of environmental health above and beyond the usual employment requirements so as to elevate the professional status of the environmental health professional, and exemplify the characteristics and principles for which Milton Miller stood.

*If you wish to nominate someone for any of the above awards, please submit a short narrative describing the nominee's qualifications by **August 12, 2010** to Carmen Vandenberg, Nominations Committee Chair at [carmenv@nchd.org](mailto:carmenv@nchd.org) OR **CEHA Nomination Committee, Carmen Vandenberg, Chair, 800 Grant Street, Suite 335 Denver, CO 80203.***

*Sustainability, continued from page 9*

County of Denver, the City of Boulder, and La Plata County will be showcased. The form and scope of 'Complete Streets' policies will be described as well as the essential elements to ensure adoption and implementation. Some of the issues and obstacles jurisdictions face in creating a successful 'Complete Streets' policy, including funding, jurisdictional, and political challenges will also be highlighted.

### **Transportation and Health - Strong Partners in Leading the Efforts to Community Sustainability**

Betsy Jacobsen, the Bicycle/Pedestrian/TDM/Byways Unit Manager for the Colorado Department of Transportation, will present and discuss the current state transportation policy, how it can be applied to local land use decisions, and how it's helping individuals become more active. The session will also include a brief description of current data collection techniques that can be applied to future planning and programming.

### **Health in the Built Environment and Technical Assistance Resources**

Judith Bergquist, UCD's College of Architecture and Planning - CO Center for Community Development's Associate Director, will describe how the Rural Technical Assistance Program in the University of Colorado Denver can be a strong partner in leading the efforts to community sustainability. Judith will present opportunities for community development assistance through this program, including how it can be applied to local land use decisions, community facility needs, and how it's helping individuals become more active. Additionally, she will provide a brief description of the process for obtaining

technical assistance possible service fee.

### **Comprehensive Plan Update with Health in the Built Environment Focus**

Tammy Pryor, Community Health Coordinator, Bent County Nursing Service; Judith Bergquist, UCD's College of Architecture and Planning - Colorado Center for Community Development's Associate Director, Rural Technical Assistance Program Denver; and Jessica Osborne, Active Community Environments/Physical Activity Coordinator Colorado Physical Activity and Nutrition Program; will present the process and the current status of a local comprehensive plan

update. The Rural Technical Assistance Program in the University of Colorado Denver; College of Architecture and Planning has partnered with Bent County Nursing Service LiveWell Coordinator, Bent County, and the Town of Las Animas to update their 2002 Comprehensive Plan for Bent County and Las Animas. The purpose of this update is to include the efforts of creating Health in the Built Environment.

### **Improving Health through the Built Environment: Health Impact Assessment as a Tool**

Karen Roof, Health Consultant with *continued on page 13*

## **TOM DOUVILLE SCHOLARSHIP**

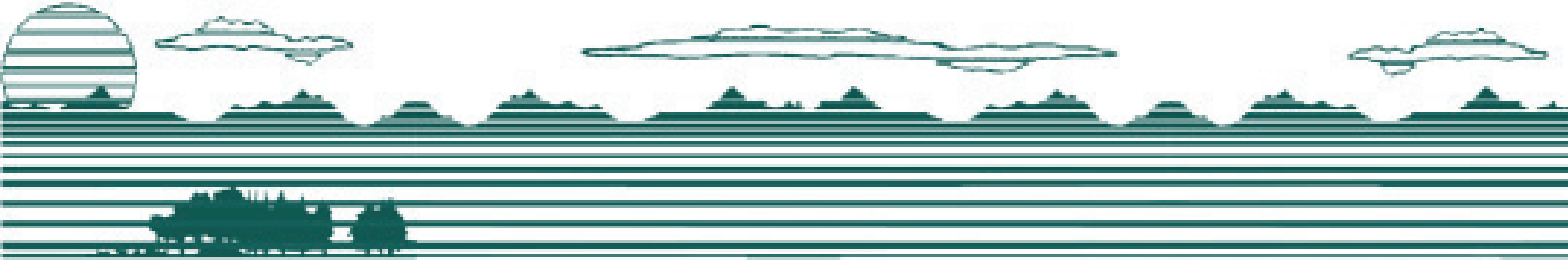
*Nominations must be received by August 5, 2010*

The Colorado Environmental Health Association has designed this scholarship to honor the late Tom Douville. Mr. Douville was the Environmental Health Director of Mesa County from 1981 to 1985 and of Boulder County from 1985 until his death in November of 1996.

CEHA has established this scholarship for students from Colorado Universities who serve as interns in local health departments. CEHA is looking for students who show strong leadership skills and interest in environmental health. The applicants must be completing or have completed an internship with a Colorado health department in the Environmental Health Division within one year of the application. The applicant must be a recent Colorado graduate or a student in a Colorado college or university enrolled in Environmental Health Science or a related field. The applicant must be a member of the Colorado Environmental Health Association.

**Visit the Awards & Scholarships page at [www.cehaweb.com](http://www.cehaweb.com) to either apply online or download and print the scholarship form.**





*Sustainability, continued from page 12*

EnviroHealth Consulting, will provide an interactive presentation focusing on the role and process of conducting a health impact assessment (HIA) using the example of a recently completed HIA for a low income housing redevelopment project in South Lincoln, a transit-oriented-development in downtown Denver. The project's vision is to transform the South Lincoln neighborhood into a green, healthy, desirable, mixed income, mixed use, and safe neighborhood that achieves multiple health related objectives including reducing noise and crime, increasing physical activity and social capital. Public health involvement and more specifically HIA use in planning processes can help make the case for effective smart growth measures such as street and trail design and connectivity to allow the public to move around smoothly and safely in a healthier environment. The Healthy Development Measurement Tool (HDMT) was used as the guide for the HIA and South Lincoln redevelopment planning. The process of conducting this HIA has had very positive immediate outcomes. The discussion will include details within each phase of the HIA, the identified health risks, supportive data and proposed recommendations. A senior policy coordinator within Tri-County Health Department will also participate in an interactive discussion about the pros and cons, benefits, and outcomes from completing a HIA, which is a fast growing method/tool to potentially improve health.

**Protecting Public Health and Environment, Assisting Small Businesses: Denver Environmental Health's Small Business Assistance Programs**

Janet Burgesser, Denver Department of Environmental Health's Environmental Business Assistance Program Coordinator and Matthew Marshall, Denver Department of Environmental Health's Greenhouse Gas Reduction Program Administrator, will present how the City and County of Denver is tag teaming their two small business assistance programs in several business districts and corridors. These programs employ a variety of outreach and assistance strategies to businesses to address, at a minimum, pollution prevention alternatives and environmental best practices aimed at reducing regulatory burden, understanding environmental regulations, achieving voluntary compliance, going above and beyond compliance, conserving resources, and minimizing overall environmental risk and liability. The program also assists businesses to save energy and money with an array of resources including: energy assessments, assistance with energy project implementation and cash rebates for energy updates.

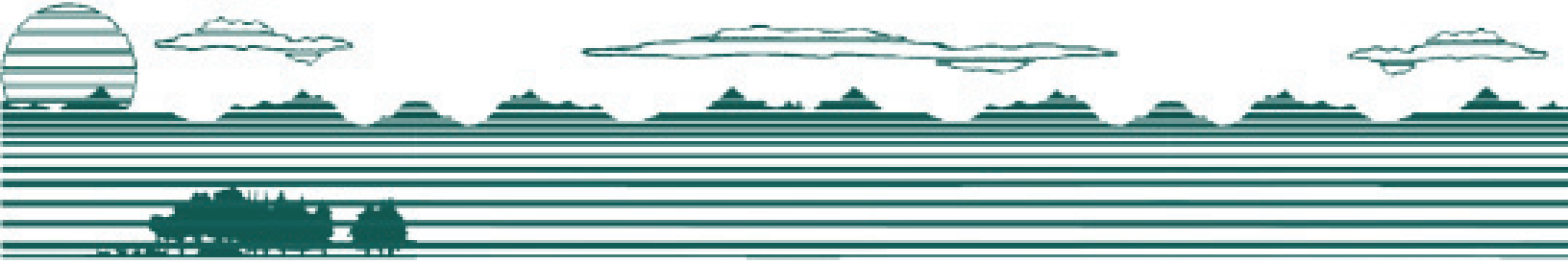
#### **Carbon Footprinting Model and Waste Reduction**

Dr. Anu Ramaswami, Professor of Civil Engineering at CU Denver, will provide a discussion on the development of a carbon footprint model and greenhouse gas inventory for Colorado municipalities. Dr. Ramaswami has worked on providing climate action assistance, as well as served as an expert advisor on developing greenhouse gas emissions inventory protocols. She has led university research teams that have received national recognition for fieldwork in sustainable development, both in the USA and internationally. Her current

efforts with carbon footprinting are being considered as a national template.

#### **Sustainability by Increasing Access to Healthy Foods, a Local Approach**

Andy Hough, Environmental Resources Coordinator with Douglas County, Colorado, will discuss a multi-faceted process to make substantial changes to local agriculture and food systems, recently kicked off by Douglas County in support of new Commissioner goals related to public safety and community services. Issues to be considered simultaneously include markets, zoning and land use regulations, volume of production, diversity of crops, improved cultivation methods, extension of growing seasons, processed products, and social issues. Multiple strategies will be developed to completely revamp agriculture and food systems within the County. To support this effort, several research/demonstration orchards and gardens are being developed to prove up new crops and cultivars and better methods to extend the production season and overcome Front Range climatic challenges. The many positive outcomes expected from this holistic effort include increased local food production; fresher, healthier food; diversified crops; removing regulatory roadblocks to production; making the rural lifestyle more economically viable; increased local food security; extended growing season; and development of new locally-processed products. Other positive outcomes that especially benefit social classes in highest need of access to fresh, healthy food include the promotion of rooftop, backyard, and community gardens; edible landscaping; small plot intensive urban agriculture; farmers markets; and new methods of distribution and marketing.



## Water/Wastewater Track Offers Diverse Agenda

**Brian Hlavacek, MAS, REHS**

Environmental Health Manager, Tri-County Health Dept.

**Armando Herald**

Drinking Water Rule Development Specialist, CDPHE

Attendees won't want to miss this year's Water and Wastewater Educational Session, which will be held on both Wednesday, September 29 and Thursday, September 30. A wide variety of interesting topics will be covered.

Kicking things off will be Barbara Dellamand, the Onsite Wastewater Program Coordinator for the Colorado Department of Public Health and Environment. After meeting CEHA last year, she will provide an update on the OWS stakeholder process as well as provide a Comparison of Onsite Wastewater Regulations from other states.

Doug Jatcko, President of Front Range Precast Concrete, will provide what is sure to be an interesting discussion on the procedures to be followed in the planning, site preparation, and installation of underground precast concrete utility structures, (that's septic tanks, water storage tanks, sand grease and oil interceptors etc.) that when overlooked or when their importance is ignored, can lead to dramatic, catastrophic, and costly construction and performance failures.

Dean Goebel, Water Quality Program Coordinator with Mesa County Health Department, will discuss a hydrogeologic investigation he conducted using shallow groundwater monitoring wells to settle an OWS dispute between two neighbors.

Dave Akers, Water Pollution Control Program Manager for the Colorado Department of Public Health and Environment, will present the latest information on the Clean Water Act and the EPA NPDES permit requirements as it relates to the application of pesticides to waters of the United States.

Thursday's agenda will feature presentations in a variety of water applications:

*continued on page 16*

## Environmental Health Student Association Update

**Theresa Tonozzi**

President, EHSA

Greetings CEHA Members,

First, let me provide you with a short recap of activities the Environmental Health Student Association (EHSA) completed. At the beginning of the semester, elections were held for student officers. The new officers are:

- Theresa Tonozzi, President
- Katie Formuth, Vice President
- Sherman Paranadi, Secretary
- Hannah Reed, Treasurer
- Stephanie Minnaert, Professional Development
- Dan Gorum, Maggie Escobar, & Melissa Bushey, College Council Representatives

In March, we raised two hundred dollars during our annual Chili Cook Off. This money went towards scholarships and Katie Formuth came in first place for the best chili (followed closely by Dr. Gilkey). As a group we participated in CSUnity and maintained over 200 yards of trails at Horsetooth Reservoir. EHSA finished all of the tasks so quickly that the forest rangers had to think of more things for us to do so we built a small dam as well. As a student organization we also rode bikes to New Belgium Brewing Company to tour their sustainability practices. We have also begun planning a fundraiser for next October (more information to come). There is a great group of students participating in EHSA this year. The club has definitely grown. When I was a freshman there were five students involved and now there are about fifteen students that regularly participate.

I am currently interning at Poudre Valley Hospital in the Environmental Health and Safety Department. I have participated in various fields of EH ranging from code pink drills (child abduction/safety training) to helping the hospital with hazardous waste management practices.

One of my responsibilities is updating the hospital's chemical inventory and the MSDS database. I interact with every department in the hospital so it gives me an

*continued on page 16*

# Rubber Rock

Over 1000 old tires are used per septic system drain field.

## Tim Petz

All Service Septic, LLC

Used tires have been used as an alternative aggregate for drain fields for about 10 years. Seventeen states are using, or have been approved, to use tire chips as a replacement for rock aggregate in onsite wastewater system (OWS) drain fields. Colorado is currently approved and has many 'rubber rock' drain fields in the ground.



Rubber Rock (shredded tire chips) is used in place of gravel in septic system drain fields.

The number of tires used for OWS in Colorado can be significant. For Example, 100 million tires in Florida and 30 percent of tires Oklahoma are used in septic systems.

Transporting rubber rock can be very cost effective. Rubber rock is lightweight and weighs 900 lbs per cubic yard, as opposed to 3400 lbs per cubic yard for rock aggregate. 12 to 15 tons of rubber rock is used for a 1000 SF drain field. This equates to about

\$300 per system for rubber aggregate at \$20 a ton. Very cost effective compared to gravel.

Concerns for tire chips include, handling of chips with protruding steel wires, compaction of chips, and the durability of the chips. Persons handling the chips must wear thick protective gloves and shoes.

Compaction has proved to not be a major concern for drain fields, and inspection of tire chips in 8 year old drain fields in South Carolina showed no degradation of chips, and actually showed 'fuzzy' biomat growth on the chips. \*\*

Long term effects: The steel in the tires will corrode over approximately 2 years and will be gone. Hydrocarbons from the rubber has proven to not

be released into the environment, and deemed not harmful.\*

Pitkin County has recently approved rubber rock OWS, and Boulder County ranks on the top for number of rubber rock OWS in the ground. There are regulations regarding the size of tire chip and the amount of steel that protrudes out of each chip. County regulators must be contacted before rubber rock recommendations are made.

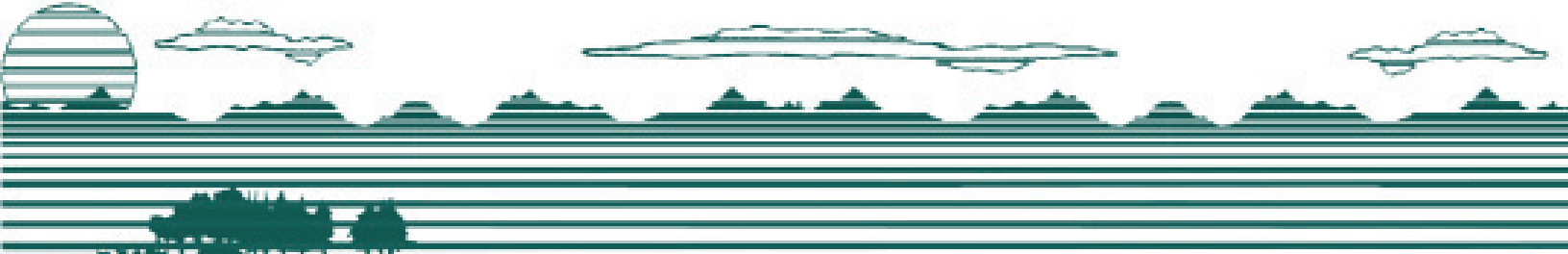
### Resources:

\*Center for Integrated Waste Management at the State University of New York (SUNY)

\*\*Small Flows Quarterly 2003



Boulder County 'Rubber Rock' Onsite Wastewater Drain Field. Tim Petz 2008.



### National Environmental Health Association's Credential Exams

8:00 AM – 5:00 PM Monday September 27, 2009 • Cripple Creek Room

**As part of the AEC services** CEHA is once again offering to proctor any of the NEHA accredited exams prior to the educational sessions.

**Receive the recognition you deserve** for your expertise by earning one of the environmental health credentials offered by the National Environmental Health Association (NEHA). Founded in 1937 by EH practitioners who wanted to establish a standard of excellence for the profession, this gold standard in the EH field has come to be known as the Registered Environmental Health Specialist or Registered Sanitarian (REHS/RS) credential. Since that time, NEHA has developed additional credentials that evidence mastery of additional specialized fields i.e., food service, onsite waste water systems, etc.

**These marks of distinction** assist both employers and the credentialed individual. Employers can be confident that a credentialed employee has acquired the knowledge necessary to competently perform their duties and more importantly; credentialed individuals may find positions easier to obtain, and may increase their earnings!

**To learn more and to sign up for one of the exams** please contact NEHA through their website and register for taking the exam at the 2010 CEHA AEC in Colorado Springs. [www.neha.org](http://www.neha.org)

**Questions?** Dan Collins has proctored the exam for the past 4 years and can be reached at [dcollins@tchd.org](mailto:dcollins@tchd.org) or 303-663-7651 if you have any questions.

#### *EHSA, continued from page 14*

opportunity to see how the hospital works as a whole instead of just the patient care standpoint. Unfortunately, I have noticed that most departments respond to me in a negative manner after I introduce myself as being associated with environmental health and safety. A majority of the time a response is "Oh are we in trouble?" I try to counter those misconceptions with a reply that assures the employee that I am there to make sure he/she has the resources available to prevent injury on the job or access to help. Recently, I found a large quantity of flammable aerosol cans placed five feet away from a welding bench. I was on the spot, I needed to clearly explain why this was a hazardous situation for all employees working in the area and quickly found the means to move the chemicals. Overall, I have enjoyed participating in the role and importance of EH practices, regulations, and operation within a hospital setting.

In addition to my internship, I am working in a cytogenetics lab at the Vet Teaching Hospital aiding in research. During my free time, I have been hiking, training for the Courage Classic bike ride, and rock climbing.

### OSHA 8 Hour HAZWOPPER Refresher Class

To provide a well rounded educational opportunity to our membership CEHA has provided the 8 Hour Refresher class at the Annual Education Conference in the past. Unfortunately lack of attendance has caused the planning team not to offer this class for the past two AEC's. Additionally, the survey sent out earlier this spring showed that only a few members were interested and this was not enough to make the class economically feasible at the 2010 AEC.

CEHA would like to continue to provide this needed training to our membership in the future. If you would like to be placed on the list for our next class, or if you have questions; please contact Dan at [dcollins@tchd.org](mailto:dcollins@tchd.org) or 303-663-7651.

#### *Water/Wastewater, continued from page 14*

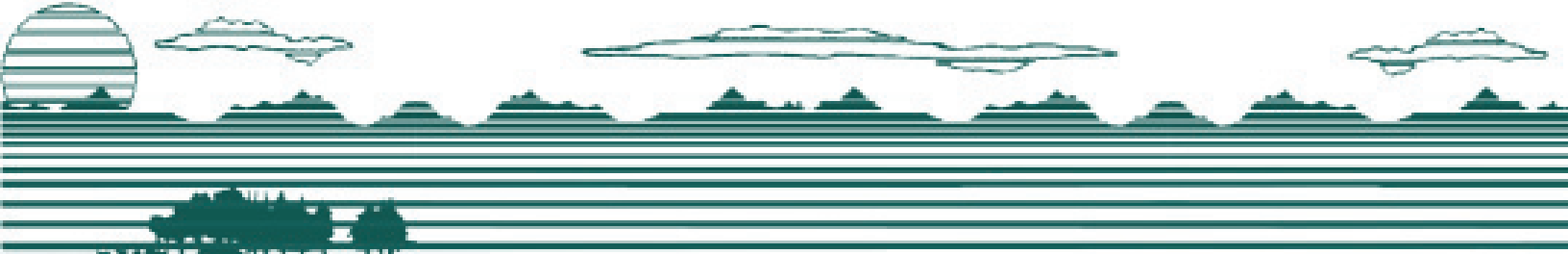
Michael Beck, Unit Manager with the Financial Solutions Unit of the Colorado Department of Public Health and Environment, will present information showcasing the incredible success that Colorado has had implementing the American Recovery and Reinvestment Act. The funds provided by the Act allowed many Colorado communities to make improvements in public and environmental health that they otherwise would not have been able to do.

Ken MacKenzie, Master Planning Program Manager for the Urban Drainage and Flood Control District, will discuss Stormwater Quality Best Management Practices: What They Are, How They Work, and What Happens When They Go Wrong.

Lori Billeisen, with Facility Operator Certification Program of the Colorado Department of Public Health and Environment, will discuss the critical role played by certified operators in insuring the health of Colorado's lakes and rivers and the safety of its drinking water.

Alicia Cronquist, Food Borne and Enteric Disease Epidemiologist at the Colorado Department of Public Health and Environment, will provide an interesting and eye opening presentation about the microbes that can be found in drinking water and the diseases they cause.

Following the track agenda, the NEHA Certified Installer of Onsite Wastewater Treatment Systems exam will be offered.



## Sustaining Members

Visit [www.cehawe.com](http://www.cehawe.com) for more information!

	 <p>Colorado Department of Public Health and Environment</p>	 <p>empowering software</p>	
	 <p>Solving Wastewater Problems</p>		
		 <p>Environmental Onsite Wastewater Solutions™</p>	
 <p>Better Water. Better World.®</p>			
			

### Is Your Business Considering Becoming a Sustaining Member?

As a Sustaining Member of CEHA, you align yourself with an organization that is dedicated to the education and training of Environmental Health Professionals across Colorado. It gives a company the opportunity to interface with industry professionals and provides a voice to support the organization and offer suggestions and for improvement. As a sustaining member, you are the lifeblood of our organization- without the continued support of our Sustaining Members CEHA could not readily provide the opportunities we present each year. There are many benefits to membership, including:

- A link to your website, email, or contact information from CEHA's website
- A discount on Exhibition at the Annual Educational Conference
- Priority selection for booth space at the AEC
- A 25% Discount for advertising in the CEHA Quarterly Newsletter

Join online at [www.cehawe.com](http://www.cehawe.com)!