

January 14, 2016

Flash No. 53

MEMBERSHIP RENEWALS FOR 2016 PAST DUE

Warning: If your membership has not been renewed for 2016, other than luncheon announcements, this will be the last email you receive as a member. Please renew promptly if you would like your benefits to continue!

Upcoming 2016 Annual SAEMS RCRA Seminar

*** Please save the date for our **2016 Annual RCRA Seminar**, which will be held on **May 5, 2016** at the Tucson Hilton East. ***

Attend the Upcoming LEPC Seminar or Luncheon Only (No Regular SAEMS Luncheon)

The **2016 Pima County Local Emergency Planning Committee (LEPC) Annual Emergency Planning – Business Education Seminar** will be held **Wednesday January 27, 2016** from 8:00 AM to 5:00 PM at the Desert Diamond Casino Conference Center, 7350 South Old Nogales Highway, Tucson, Arizona. **NOTE** that there will be **NO** regular January SAEMS Luncheon as a result of this seminar, but you can attend only the luncheon portion of the seminar, as discussed below. The purpose of the seminar is to:

- Provide a forum where attendees can receive pertinent hazardous materials information, compliance up-dates; learn best practices, information on planning, safety information and an opportunity to ask questions.
- Provide an environment with information to help businesses to create and maintain a safe environment for workers, operations, and their community.
- Provide an opportunity for the business community to build relationships with other businesses in the area and learn from their best practices.

The anticipated/designated audience for this seminar includes industry and business owners, operators and/or managers; industrial, business and government compliance personnel; industrial, business and governmental personnel responsible for hazardous materials safety; and fire department personnel with hazardous materials compliance responsibilities.

The lunch speaker and topic will be Arizona Poison & Drug Information Center – How the Center Can be of Help During a Chemical Release.

The all-day seminar is FREE and includes a free lunch for attendees. Most costs associated with this seminar are covered through a grant from the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration. This grant assists communities to help prepare for hazardous materials release and community planning for safety. The seminar is an excellent way for emergency response businesses to showcase products and services to many potential customers.

For more Information: Contact the Pima County LEPC, 3434 East 22nd Street, Tucson, Arizona 85713 (520) 724-9300. Go to the LEPC website at www.pima.gov/lepc for more information and a list of the current invited presenters. Links for the 2016 Hazardous Materials Safety Workshop can be found under the Activities/Training tab.

RSVP: Click here for the [Link to Workshop Registration Form](#). Click here for the [Link to Vendor Registration Form](#) (due January 22). Click here [Link to PayPal - LEPC](#) to pay the fee on the SAEMS website (\$100 per vendor, includes two attendees, one table, and two chairs).

LUNCH ONLY OPTION: SAEMS members may choose to attend only the seminar lunch – those who attend only the lunch are not covered by the grant, and SAEMS needs to reimburse LEPC. To register only for the lunch, please contact the SAEMS Vice President Erin Lansey at erinml14@gmail.com and please go to www.saems.org to submit your payment by PayPal. Early registration costs are \$20 (members) and \$25 (non-members). Late registration costs are \$25 (members) and \$30 (non-members). The early registration and cancellation deadline is close of business Friday January 23, 2016. Availability for late registrations may depend on whether seats remain. Note that cancellations must be received by the early registration deadline or you will be charged for the meal.

Register for LUNCH ONLY by clicking here [Link to PayPal - Luncheon](#) to use PayPal on the SAEMS website.

December Luncheon and Terracon Awards Grant to SAEMS

The December meeting was a holiday gathering to relax, mingle, and enjoy the pre-holiday buzz! All those present enjoyed food and refreshments, and cans of food were collected for donation. A big thank you to Accutest, who was the luncheon sponsor.

During the meeting, SAEMS thanked the Terracon Foundation for awarding us with a \$2,000 grant this past fall. Some of the funds from the grant will be used to update our A/V Equipment; however, the majority of the funds will go towards providing students with scholarships to the SAEMS luncheons and seminars.



SAEMS 2016 Scholarship Application Available

SAEMS announces availability of its 2016-2017 scholarship application! The application is accepted once December 2015 grades are posted and will be due by March 13, 2016. Applications take into account a combination of merit and need, and will be accepted for tuition/fees, books/supplies, and/or research/travel/training/project funding for amounts from \$500 to \$4,000 per student (\$10,000 total available). The applications will be available on the SAEMS website at http://www.saems.org/scholarships_frameset.htm. Contact B.J. Cordova at (520) 481-3223 or bcordova26@gmail.com for assistance.

September Luncheon Summary

In September 2015, speakers **Tom McGovern** of PSOMAS and Chair of the Tucson Metro Chamber, and **Carolyn Campbell** of the Coalition for Sonoran Desert Protection and serving on the Pima County Bond Advisory Committee, presented on the Pima County Bond Initiatives that were subsequently defeated in the November 3, 2015 election.



Tom and Carolyn gave a summary of the different bonds stating that there would be money allocated for seven different bonds; Road and Highway Improvements; Economic Development, Libraries, and Workforce Training; Tourism Promotion; Parks and Recreational Facilities;

Public Health, Welfare, Safety, Neighborhoods and Housing; Natural Area Conservation and Historic Preservation; and Flood Control and Drainage.

If all of the bonds were passed it would have cost the average household an additional \$1.46 per month in property taxes.

They also spoke in more detail about the different parks, roads, natural area conservation and historic preservation areas that would be impacted if the bonds passed.

Also during the meeting, we met two of the 2015 SAEMS scholarship award winners from the University of Arizona, graduate student Bridget Guiza (right) and undergraduate student Cynthia Hernandez, who both gave brief presentations on their studies and aspirations.



October Luncheon Summary

In October 2015, **Mike Conway**, Chief of the **Geologic Extension Service of the Arizona Geological Survey**, presented the topic Earth Fissures in Arizona. Earth fissures are caused by basin subsidence, which is a result of extensive ground water pumping. Arizona fissures were first noted near Eloy in 1929. They may be more than a mile long, up to 15 feet wide, and 100s of feet deep, and can rapidly erode during heavy rains, which can cause dangerous conditions for people and infrastructure, and can be a conduit for contamination to aquifers. Increasing population growth into areas of fissures increases the potential for hazards to structures, roads, canals, etc.



Sign Up to Judge at SARSEF

The **Southern Arizona Research, Science and Engineering Fair (SARSEF)** was a huge success in 2015 – the top 1,900 projects in Southern Arizona were reviewed and \$100,000 in prizes were awarded. SARSEF is making some exciting changes this year. This year, Judging Day is **Thursday March 3rd** and judging will take place at the **Tucson Convention Center** from 7:30 AM-1:00 PM for Elementary and Middle School and 7:30 AM-4:30 PM for High School. Intel ISEF has added two new categories to the High School level – so please be sure to read all of the category names before making your usual selection. To review categories, qualifications, and more, please visit the SARSEF website at <http://sarsef.org/judges/sign-up-now/>.

Job Announcements

City of Tucson Environmental Services – HOUSEHOLD HAZARDOUS WASTE TECHNICIAN: Go to their website at <http://www.tucsonaz.gov/sigma/JobDetails.aspx?Postings=5670> to apply.

Turner Laboratories – LABORATORY TECHNICAL DIRECTOR: The Laboratory Technical Director is responsible for all aspects of the daily operation of the laboratory including, but not limited to; project management, quality assurance, LIMS administration, technical review of deliverables and supervision of analysts. The Director implements new techniques and instruments; reviews purchase orders and vets distributors of supplies and equipment for pricing, quality and customer service. The Director solicits and interviews new analysts and ensures personnel are properly trained to obtain the respective credentials in their designated areas, and periodically reviews performance. The Director has oversight of the Quality Assurance Program and performs duties of Quality Assurance Officer including conducting a Proficiency Study Program and random review, SOP reviews, and validation of raw data, as well as keeping abreast of regulatory changes to ensure the laboratory remains in compliance. Interested parties can contact Mike McGovern directly at mmcgovern@turnerlabs.com for more information.

Tucson Airport Authority – ENVIRONMENTAL SPECIALIST: The Tucson Airport Authority (TAA) has a job opening for an Environmental Specialist. TAA's Environmental Specialist position provides a balanced combination of outdoor field actions and indoor environmental management activities. The successful candidate will have an opportunity to become part of the dynamic aviation industry while monitoring airport operations and ensuring compliance with applicable environmental regulations and requirements. The Environmental Specialist will also have opportunities to engage with Federal, state, and local entities and support TAA's efforts associated with the Tucson International Airport Area Superfund Site. Let your career take off at the Tucson Airport Authority! Salary is depending on experience. To apply or find out more information, go to www.flytucson.com.

November Event Summary –**SAEMS Presents – Reception with ADEQ Director Misael Cabrera, PE**

On November 5, 2015, SAEMS hosted a Reception for the newly appointed Director of Arizona Department of Environmental Quality (ADEQ), Misael Cabrera, P.E. Over sixty SAEMS members and others attended the event and the support from our sponsors was overwhelming. Prior to Director Cabrera's presentation, attendees enjoyed exclusive access to the exhibits at the Arizona History Museum, cocktails and appetizers, and most importantly, good company.

Director Cabrera's presentation did not disappoint as he is an engaging, personable, and dynamic speaker. His 'conversation' with the audience covered multiple improvements that are being implemented at ADEQ and areas where he still seeks improvement. The central theme throughout the presentation was the importance of lean management and system efficiency for the agency. At the end of his presentation, Director Cabrera entertained several questions from the audience and provided business cards.

As with any successful event, there are people to thank at the end. First the Board would like to thank our members and sponsors—despite being a free event, SAEMS was able to generate over \$1,500 for the scholarship fund through the generosity of both. The Board would also like to thank the efforts of the volunteer committee that organized the event (Committee Chair: Heather Shoemaker, Committee Members: Barb Ricca, Ken Asch, Casilda Quinones, and Frank Bonillas). Without their efforts, we would have not been able to make this event happen. And lastly, I would like to thank the Board for all their hard work during the planning of the event (and special kudos to Pat Hartshorne, our Communications Coordinator, for responding so quickly when we needed to make changes to the flyer).

We look forward to being able to host more events like this in the future.

Best Regards, Derek Koller, SAEMS President



Thank you to our Gold Level Sponsors – Tucson Electric Power Company, Turner Laboratories, and The Journal of Environmental Management (in kind / discount sponsorship), and our Silver Level Sponsors – Alcoa, City of Tucson, Cornerstone Environmental, Hudbay, Ninyo & Moore, Poly Print, Quarles & Brady LLP, Terracon, and Veolia Environmental Services.

News Briefs

Arizona Pollutant Discharge Elimination System (AZPDES) – MSGP (1/13/2016 ADEQ Stormwater Permitting email newsletter): ADEQ is in the process of preparing a draft 2016 MSGP to succeed ADEQ's Non-Mining MSGP (Permit No. AZMGSG2010-002) and Mining MSGP (Permit No. AZMGSG2010-003) that became effective February 1, 2011. The 2011 Non-Mining and Mining MSGPs will be administratively continued once the permits expire on January 31, 2016. The current 2011 MSGPs will remain in force and effect until the new general permit is issued. ADEQ will be proposing stakeholder meetings and the opportunity to comment on the draft MSGP within the coming weeks. Any updates relating to this matter will be advertised on the ADEQ Agency Bulletin (govdelivery). For additional information, please contact Jennifer Widlowski at 602-771-2256 or jlw@azdeq.gov.

AZPDES – Electronic Reporting (12/11/2015 ADEQ Stormwater Permitting email newsletter): New rules issued by the U.S. Environmental Protection Agency in October 2015 may concern individual or general permit holders under the National Pollutant Discharge Elimination System (NPDES, AZPDES in Arizona) program. The EPA final rule on electronic reporting requirements requires that NPDES regulated entities electronically submit the following permit and compliance monitoring information instead of using paper reports: Discharge Monitoring Reports (DMRs); Notices of Intent to discharge in compliance with a general permit; and Program reports. EPA has provided a phased approach to implementing the new rule. ADEQ is evaluating potential options for complying with the electronic reporting rule. For further information regarding the electronic reporting rule go to the U.S. EPA's electronic reporting website at <http://www.epa.gov/compliance/final-national-pollutant-discharge-elimination-system-mpdes-electronic-reporting-rule>.

repurposedMATERIALS: A fascinating website and newsletter about an "industrial matchmaker" that acquires byproducts or waste stream materials and finds value in these materials for a "second unrelated industry." The website states that repurposedMATERIALS is "the only company in America whose entire product line is made of 'repurposed' items." Browse some of the available materials at <http://www.repurposedmaterialsinc.com/> and sign up for their newsletter.

ADEQ Lifts Fish Consumption Advisory for Gila River and Tributaries (9/30/2015 ADEQ News Release): ADEQ lifted a consumption advisory that has been in place for 24 years for fish caught in the Gila River and its tributaries within and downstream of the Phoenix metropolitan area, which includes 100 miles of streams and 286 acres of lakes. Based on testing of fish tissue samples, fish caught from these waters are no longer unsafe to eat due to pesticides that were banned in the 1970s-1990s (DDT, chlordane or toxaphene).

Pima Association of Governments (PAG): A free mobile app for Tucson Bikeways is available from the Apple and Google app stores. The map can also be viewed anytime online at www.PAGregion.com/bikeways/map.

PAYMENT TIP:

SAEMS lunch and seminar attendees are requested to use PayPal for payments whenever possible. Financial charges for using PayPal are about 2.7% and the charge for using a credit card averages 4.8%. For example, in 2013 SAEMS spent \$1,600 on financial fees. If everyone used PayPal, we could cut the costs in half and have \$1,000 more for scholarships. As an added bonus, pre-paying on PayPal allows members to fast forward through the lunch or seminar check-in line.

WRRRC Brown Bag Seminars

Attend the **University of Arizona Water Resources Research Center** weekly brown bag lunch seminars at the Sol Resnick Conference Room at 350 North Campbell Avenue. See their website at <http://wrrc.arizona.edu/events/brownbag> for a schedule of topics. Upcoming seminar topics include:

Agricultural Persistence in the Face of Urbanization (Friday, Jan. 22, 2016, 12:00- 1:15 PM). Speaker: Abigail York, Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability, Arizona State University.

International Transboundary Water Assessments (Thursday, Feb. 25, 2016, 12:00- 1:15 PM). Speaker: Randy Hanson, Hydrologist, U.S. Geological Survey, California Water Science Center, San Diego, California.

Economic Aspects of the Yuma Case Study on Ag Water Efficiency (Tuesday, Mar. 8, 2016, 12:00- 1:15 PM). Speaker: George Frisvold, Professor and Extension Specialist, Department of Agricultural & Resource Economics, University of Arizona.

U.S Bureau of Reclamation Lower Santa Cruz River Basin Study (Tuesday, Apr. 5, 2016, 12:00- 1:15 PM). Speaker: Eve Halper, Natural Resources Specialist, U.S. Bureau of Reclamation, and Kathy Chavez, Water Policy Manager, Pima County.

University of Arizona College of Science Lecture Series – Earth Transformed

This year the University of Arizona College of Science Lecture Series will focus on climate change and how it affects life on Earth. The talks below will take place in Centennial Hall at the University of Arizona. These talks are free and open to the public and begin at 7 PM. Go to the website for more information: <http://cos.arizona.edu/connections/earth-transformed>.

Monday, Jan. 25: **The Ocean's Role in Climate: Heat and Carbon Uptake in the Anthropocene.**

Monday, Feb. 1: **Climate Change and Global Food Security.**

Monday, Feb. 8: **Ecosystem Resilience: Navigating Our Tenuous Connection to Nature.**

Monday, Feb. 22: **Climate Change and Human Health: Impacts and Pathways to Resilience.**

Monday, Feb. 29: **Carbon Sequestration: Can We Afford It?**

Monday, March 7: **The Changing Earth: It's Not Just a New Normal.**

Calling All SAEMS Members – New, Old, and Future

Are you making the most of your membership? Do you attend monthly meetings to hear information about that month's topic? Do you mingle with the other members and network? Have you served on the Board or a Committee? Have you checked out the webpage to see what is new? Have you volunteered at a seminar or adopt a highway or other event promoted by SAEMS? Have you attended the RCRA or P2 or LEPC seminars? Why not make a New Year's resolution to do one or more of these things in 2016!

SAEMS Website Updates

Information on the SAEMS website will be updated soon. Members will be able to access an updated membership directory under the Members tab on the website (www.saems.org) or [Click Here](#) – a new member user name and password will be sent out to current members soon. See the latest information on the SAEMS website, including luncheon and scholarship information, previous luncheon presentations, Trash & Bash updates, Executive Committee meeting notes, financial information, News Flash archives, etc.!