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- WELCOME and INTRODUCTIONS (Craig McCurry, Alliance Chair, and Scott Tallini, MCAQD)
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- MCAQD PLANNING: OZONE RULE UPDATES (Johanna Kuspert, MCAQD)
- MCAQD PERMITTING (Richard Sumner, MCAQD)

Concurrent:

- PHX 2050 ENV. SUSTAINABILITY COALS (Rosanna Albright/Joe Cibbs, City of Phoenix)
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FROM THE EDITOR



ast issue I asked for your comments and suggestions regarding continuing publication of the Journal of Environmental Management Arizona. I realize that for many of you in Arizona's environmental management community, the Journal plays an important role providing not only current environmental information,

but also by providing a communication platform and a format to provide visibility and recognition of our leaders, organizations, and you, the participants and professionals that make up the Journal readership. It also provides a historical record of events and milestones, both happy ones, and sometimes sad ones. Over the years, this has included announcements of promotions, new positions, retirements, and occasionally, sadly, a number of obituaries of our lost friends and coworkers. So, it was a difficult to consider the possibility of halting this publication that has become part of our professional history.

After receiving many comments and emails from readers, and after discussing potential advertising options, I have decided to continue publication of the Journal. However, as you probably already know (and as it states on the cover of this issue) the Journal will move from a print-based publication to a digital, online format. An online publication will cost significantly less to produce and distribute, and my budget projections suggest that an online Journal would be financially sustainable. I discuss the new format in more detail in this issue (see page 12), but the goal is not to duplicate the print magazine online, but rather to continue the mission of the Journal (Practical and Current Information for Environmental, Health, and Safety Professionals) using this very different but potentially more sustainable online media. I do, unfortunately, not have a draft of the new format ready for you to view. Our current website (www.ehshomepage. com) is not an "online Journal" -- it was built only to archive past issues, and to allow online registrations. The new website (at the same address) will have an entirely different purpose and an entirely different look, feel, and functionality. Please check it out -- October 22, 2017! Thank you!

Sincerely,

Jim Thrush, M.S. Environmental Management Editor & Publisher 480-422-4430 x42 Email: jimthrush@cox.net

JOURNAL OF ENVIRONMENTAL MANAGEMENT ARIZONA EDITORIAL *Publisher & Editor*; James Thrush, M.S. Env, Mgr., Jimthrush@coc.net or 480-422-4430. SUBSCRIBE: ehshomepage. com or 480-422-4430. RATES FREE: to qualified EHS Professionals, others all. MAILING ADDRESS (NEW): <u>EMA, PO Bos 51852</u>. <u>Phoenix, AZ 85076</u>, ADVERTISING 480-422-4430 v42. *Published G imedyaar. Copright ©2013 by* [*EditA*. *All right recread LEGAL* DISCLAIMER Information persented in <u>EMA Readers are norounged to constant and complete. Due to the rapidly changing</u> nature of regulations and the law and our reliance on information provided by various sources, we make nowarrany or guarantee concerning the accuracy or reliability of the content of <u>EMA Readers are norounged to constant authors</u>, agencies, and advertises directly for verification/ clarification. Content for informational purposes only, and should not be considered legal or professional advice. Consult your legal consult or environmental consultants for advice. WARNING Serious legal, environmental, and/or safety consequences can result from non-compliance with environmental and safety regulations and standard safety, environmental, and/or safety consequences. **COVER PHOTO: A RECENT PHOTO OF THE SUNSET OFF THE SHORE OF** INDONESIA, NEAR JAKARTA. PHOTOGRAPHER: T.H., INDONESIA. <u>MAILING ADDRESS</u>. ALL MAIL TO THE JOURNAL SHOULD BE SENT TO:

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JOURNAL OF Environmental Management

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Volume 15 Number 3

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Larry Olson, PhD.

IT'S ALL ABOUT CHEMISTRY

THE CONTINUING THREAT OF ASBESTOS

t may seem strange that we should still be worried about asbestos. Didn't we take care of that problem years ago after we found out how dangerous asbestos was? Except for renovating old buildings, haven't we removed the threat of asbestos exposure? Yet even today 12,000-15,000 Americans a year die from asbestos exposure.

Some 55 nations have instituted a comprehensive ban on asbestos, starting with Iceland in 1983 and the European Union in 2005. But there are many notable exceptions where some type of asbestos use is still legal including China, Russia, India, Brazil, Canada, and the United States.

Asbestos hasn't been mined in the U.S. since 2002 so all asbestos used in this country depends upon imports. In 2016, the U.S. imported about 750,000 lbs of chrysotile asbestos, 95% from Brazil and 5% from Russia. This was used by the chlor-alkali industry to make semipermeable diaphragms used in the electrolytic process of making chlorine and caustic soda. The argument is that there is very little chance that the public will be exposed to this asbestos. But there are many other imported consumer products containing asbestos whose use is still not banned (see https:// www.epa.gov/asbestos/us-federal-bans-asbestos). These include roofing materials and coatings, automotive parts, gaskets, cement products, and fireproof clothing.

It wasn't supposed to be like this since we've long known that exposure to asbestos was deadly. As the National

Institute for Occupational Safety and Health (NISOH) stated in 1980, "All levels of asbestos exposure studied to date have demonstrated asbestos-related disease...there is no level of exposure below which clinical effects do not occur." Although asbestos was heavily regulated in the 1970s and 80s through the Clean Air Act (asbestos is a Hazardous Air Pollutant), the Asbestos Hazard Emergency Response Act (dealing with removing asbestos from schools), the Safe Drinking Water Act, and CERCLA which regulates hazardous wastes there were still many uses that did not fall under these rules and were perfectly legal.

Under the Toxic Substances Control Act (TSCA) of 1976, EPA had authority to restrict or prohibit the manufacture, use, or distribution of a chemical if it presents an unreasonable risk to human health or the environment. In 1989, EPA issued a final rule banning most asbestos containing products. But this rule was challenged by industry and in 1991 it was vacated by the Fifth Circuit Court of Appeals. Under the 1976 TSCA law, EPA had to show that the benefits of regulating a chemical outweighed the costs and that the proposed restriction on use of the chemical was the least burdensome way to reduce risk. The Fifth Circuit ruled that EPA had not demonstrated that a ban was the "least burdensome alternative."

But the original TSCA was amended in 2016 by the Frank R. Lautenburg Chemical Safety for the 21st Century Act. The new law calls for a revised Risk-Based Safety Standard to "determine whether a chemical substance presents an unreasonable risk of injury to health or the environment, without consideration of costs or other non-risk factors, including an unreasonable risk to a potentially exposed or susceptible subpopulation identified as relevant to the risk evaluation by the Administrator under the conditions of use." The "least burdensome" requirement was also removed.

The law was signed in June of 2016 and EPA had until December 2016 to choose 10 chemicals for initial chemical risk evaluations. Asbestos was one of those selected. In June 2017, EPA released a scope document indicating how EPA is going to conduct the Risk Evaluation process for asbestos (https://www.epa.gov/sites/production/files/2017-06/documents/ asbestos_scope_06-22-17.pdf). If an unreasonable risk is identified, EPA must take final risk management action within two years.

So will we remain one of the few advanced industrial countries that has not banned asbestos? For the sake of my granddaughters I hope not.

Larry Olson, PhD., Associate Professor, Arizona State University Environmental Technology Management Program. Dr. Olson holds a Ph.D. in Chemistry from the University of Pennsylvania, and is an environmental chemist with interests in remediation technologies and international environmental management. He can be reached at 480-727-1499, or by email at Larry.Olson@asu.edu.

Associations Pages The Journal of Environmental Management Arizona invites environmental, health and/or safety organizations in

The Journal of Environmental Management Arizona invites environmental, health and/or safety organizations in Arizona to contribute news articles about their associations. Contact the editor at 480-422-4430 x42.



AZ.ASSE.ORG

Founded in 1911, the American Society of Safety Engineers (ASSE) is the oldest and largest professional safety organization. With more than 37,000 members worldwide, ASSE is a global association of occupational safety, health (OSH) and environmental professionals that advances the interests of its members and the profession. ASSE members create safer work environments by preventing workplace fatalities, injuries and illnesses. Safer organizations enjoy increased productivity, higher employee satisfaction and a better reputation, while recording less lost time, and lower workers' compensation and healthcare costs.

As members of ASSE Arizona Chapter you will receive many benefits! The following are only several benefits for becoming a member:

• Through its chapter structure and on-line technologies, ASSE will give you global, regional and local opportunity to network, exchange ideas, solve challenges and develop leadership skills.

• ASSE's monthly published Professional Safety Journal features in-depth articles that cover a wide range of cutting-edge topics.

• AZASSE provides its members discounts on a multitude of professional development programs to enhance and enrich the profession.

The Arizona Chapter of ASSE is a growing community seeking to help all members better network, learn how to keep people safe, and better the world around it. We will be holding the following events and we invite all to come! There a many other events that are listed on the calendar as www.azasse.org (ASSE Chapter Meetings are the 1st Friday of every month).

NOVEMBER All day Nov. 2nd and 3rd: • Arizona Construction Career Days Nov. 3rd: • ASSE Luncheon -Public Health Topics DECEMBER Dec. 1st: • Federal OSHA Update • Annual Toy Drive

Annua Toy Drive
Dec. 5th:
WISE (Women in Safety) Meeting





WWW.EPAZ.ORG

A t our August meeting, we installed new officers for the 2017 – 2019 term. They are as follows: President – Marty Minter, Vice President – Sowjanya Chintalapati, Treasurer – Dave Giles, Secretary – Jay Zandell and Chairman of the Board – Skip Harden. We also enjoyed an overview of the 2017 Wildfire Season in Arizona presented by Joy Hernbrode with the Arizona Department of Forestry and Fire Management. UPCOMING EVENTS:

September 14, 2017 our monthly meeting will feature Amanda Reeve from Snell & Wilmer and she will be sharing the latest in environmental news related to the Arizona legislature.

October 12, 2017 our monthly meeting topic and speaker were being confirmed and will be announced shortly.

EPAZ hosts monthly meetings on the second Thursday of the month from 11:30 AM to 1:00 PM at the SRP PERA Club. For the most up to date

information, event details and reservations please visit our website at www. epaz.org.

Lisa Culbert Association Manager



hrough the tireless efforts of the SAEMS board and members we have had another successful RCRA seminar this past May. The terrific SAEMS Board and RCRA Seminar Planning Committee members once again made the event not only informative, but a lot of fun. This years line-up included presentations from PDEQ, ADEQ and LEPC on RCRA basics and what is new in the world of environmental compliance. We also heard discussions of electronic waste, paint recycling, and hazardous waste disposal scenarios. In addition to the presentations there were prizes and giveaways from our sponsors, and as usual, all attendees are able to receive continuing education units.

We look forward to hosting the RCRA seminar again this coming spring and hope to see you there. Thanks to this very successful seminar SAEMS will continue to offer student scholarships and work to engage the environmental professionals of the future.



We welcome you to join our organization, come see what our monthly luncheons have to offer, and get to know the faces of environmental professionals in your community. For more information re-

and upcoming events please visit us on LinkedIn, Facebook, or our website (www. saems.org).





The Alliance and the Maricopa County Air Quality Department will host our annual Air Quality Permit Compliance Assistance Seminar on September 28, 2017 at the Maricopa County Security Building in Phoenix, Arizona. See our full page advertisement in this issue (on page 3). We have an expanded agenda this year with a number of new speakers and presentation topics that we hope you will find interesting and valuable to your facility.

Please consider attending the seminar, especially if your facility has an Air Quality Permit in Maricopa County. Seminar speakers include professionals with industry experience applicable to your situation, and experienced

Maricopa County Air Quality Staff. For more information, or to register, visit our website at www. Craig McCurry azalliance.org!





www.AZAEP.org

The Arizona Association of Environmental Professionals (AZAEP) held the biennial election for our three At-Large (non-officer) Board positions. The At-Large Board serves a 2-year term, July 1, 2017 to June 30, 2019. The successful candidates were: Jennie Curé - Brownfields Coordinator with Arizona Department of Environmental Quality, Jill Heilman, Historic Preservation Team with Arizona Department of Transportation, and Brianna Zurita – Masters Candidate in Public Policy and Water Policy at University of Arizona.

Continued on page 9



SUSTAINABILITY AND SUSTAINABLE DEVELOPMENT

Nicholas R. Hild, PhD.

JOURNAL OF ENVIRONMENTAL MANAGEMENT ARIZONA: MOVES ONLINE!

Fifteen (plus) years for the Journal of Environmental Management! An amazing fete! And, I have been privileged to be a part of every issue; it has been an honor! When you talk about sustainability, just the mere fact that the Journal has been continuously produced for that long with a readership that receives each issue free of charge---that is the very personification of what it means to be sustainable---every issue packed with environmental information that is focused on ways we lighten our respective environmental footprints...together!

And, over that time, for me, there have been times when just settling on a topic for my column was difficult, let alone doing the research to support what my point of view was. But I can't imagine how many hours and false starts were a part of what Jim went through in getting an entire issue into print and into the mail. And he has single handedly accomplished that every other month for 15 years without missing a single issue. Congratulations, Jim!

But now looking back and remembering the many times I labored over completing my column by the deadline, I will always be grateful that I had the opportunity to help keep the Journal going out to the community of Arizona EH&S professionals, all of which makes this very last column the hardest of all to write.

The caveat to this being the last 'print' issue is, there will be a continuing ONLINE Journal which will allow even more room for pertinent EH&S information than the print version. It will still feature advertising---<u>your</u>

EH&S companies and consultants that offer services still need your company(s) to utilize their products and services they provide. After all, they know that the Journal's readers are a targeted audience for the very products they provide through the Journal's hundreds of professionals who rely on the Journal for networking updates from all the EH&S organizations. So, just because the Journal is no longer delivered via snail-mail doesn't make it less important. However, it is now up to you to access the Journal---rather than keeping it on your desk where it gets 'buried' before its even read--- you now have the privilege of opening the ONLINE Journal any time, any place, 24/7! So, no excuses for missing an important SAEMS seminar or an EPAZ luncheon, or an Arizona Environmental Strategic Alliance Air Quality seminar---or any other Journal-advertised-event---the use of the Journal ONLINE is just a click away and you can do it on any electronic device, any time, any where!

FIFTEEN YEARS OF EH&S PROGRESS

So, how do we sum up 15 years of sustainable progress? Fifteen years ago, the Environmental Technology Management (ETM) program had been at the ASU-East campus (now the Polytechnic campus) for six years and, since 1984, had graduated more than 175 BS and MS degreed students. One of them was Jim Thrush, who took his MS degree into the real world, beginning the publication of the Journal of Environmental Management utilizing the idea that subscribers should get the Journal free and advertisers would provide the funding. The theory that he could do that successfully was developed from some of his research but the implementation of that theory followed his MS in Environmental Technology Management graduation when he published the first issue of the Journal. And, even though it took several months to iron out financial and technical production hurdles, it took a very short time to show that there was a real demand in the Arizona EH&S community for the kind of information the Journal provided. And, the rest (as the saying goes) is history.

Just as the Journal evolved and broadened its readership over the past 15 years, so too, did the ETM program. The program, which began in the early 1980s as a focused certificate program in Hazardous Waste Management, evolved quickly into an academic

Nicholas R. Hild, PhD., is an Emeritus Professor and Sustainability Scientist in the College of Technology and Innovation and the founder of the Environmental Technology Management program at Arizona State University. Dr. Hild has extensive industrial environmental engineering and management experience as well as continuing to be a consulting environmental engineer for the past 40+ years. Reach him at www.worldsleadingexpert.com or email at drnick@asu.edu.

8 Journal of Environmental Management Arizona

degree program in the College of Technology where it became the first ONLINE program to be offered at ASU. The ETM program also featured the first courses at ASU in Sustainability and Sustainable Development soon after relocating to the Polytechnic Campus in 1996. The online program had student cohorts from half a dozen countries and a dozen other states attending the program via ONLINE services provided by IT at the Poly campus. Like Jim, many of the ETM program graduates---now Environmental and Resources Management (ERM) in the College of Engineering---are in key EH&S positions across the country. At our annual ETM/ERM alumni gathering, several graduates told me how important it is that they have an informational resource like the Journal, just to maintain their network of professionals who are engaged every day in finding environmental solutions; it is truly a "team" effort in today's 'politically' charged environmental management arena.

So, while we are proud of all our ETM/ ERM graduates and the work you/they do every day, continuing to sustain environmental progress is an ever more complicated and challenging process. Complicated particularly by the political whims of an administration that appears to want to turn back the clock and deregulate environmental progress going back to the 1970s, a time when 80% of the nation's surface waters were polluted and hazardous waste was allowed to be disposed of in landfills where groundwater became tainted and several "Love Canals" had yet to be discovered. So, it is even more important today that EH&S professionals continue to have access to the kind of information that the Journal provides. That is why Jim has found a way to keep the Journal going ONLINE (sustaining the effort) and to use it as a medium that maintains continuity across the vast network of professionals (like you) who join in the organizational events and activities that are a critical part of helping you find solutions to complex problems.

We need to continue this effort by thanking Jim for all he has done and for all that will be accomplished in the future. And we need to do this in remembering how much it impacts the future of our children's, children's, children. See you soon... ONLINE!

ASSOCIATION PAGES CONTINUED FROM PAGE 7

Jennie is a returning Board member, having served for several years; Jill and Brianna are new to the board. The AZAEP membership welcomes the new At-Large Board and looks forward to their contributions. **UPCOMING EVENT**

Date: Tuesday, August 22, 2017 from 6-8 pm Speaker: Brian Buttazoni, District Planning and Environmental Specialist at the Bureau of Land Management (BLM), Phoenix District Office Topic: Overview of on-going projects and challenges in Phoenix District Office; BLM initiatives including ePlanning and streamlining NEPA projects.

BLM Arizona manages approximately 12.2 million surface acres of public land, and realizes that public involvement is critical in the development and implementation of its Resource Management Plans (RMPs). Throughout the planning process, the BLM uses a collaborative approach involving tribal, State and local governments, other federal agencies, and interested publics in addressing management goals for public land. New and revised RMPs are now being developed in the ePlanning database. The ePlanning tool brings the Land Use Planning (LUP) as well as the National Environmental Policy Act (NEPA) process to the public and interest groups.

Location: Macavo's Depot Cantina,

300 S. Ash Avenue, Tempe. This location is near the ASU campus and 3rd Street in Tempe.



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A MESSAGE TO & ABOUT OUR PRINTER: ST. CROIX PRESS, INC.

rom the beginning of this publication almost 15 years ago, every issue of the Journal of Environmental Management Arizona that you have read has been printed, labeled, and mailed to you by the good people at St. Croix Press, Inc.

I selected St. Croix Press to be the Journal's printer in about 2002, after an exhaustive search of potential US printers. At the time, I knew very little about printing requirements and procedures for a periodical -- but fortunately for me the company's Technical and Customer Service Representatives had the technical knowledge and skill (and the willingness!) to guide me along.

St. Croix Press has played a crucial role in helping the Journal, both with technical and production issues and, very importantly, by keeping our print costs as low as possible, while still delivering a high quality product. It is not an exaggeration to state that the Journal could not have stayed in publication for this long without the efficient, economical service that St. Croix Press provided. No other printer I know of even comes close.

St. Croix Press is a family owned and run company located in New Richmond, Wisconsin, that specializes in trade journals, alumni magazines, publications and catalogs, with print runs up to 200,000. The company is run by its founder, Ed Monette, President, and his son, Mike Monette, General Manager, along with their team of experienced professionals.

The St. Croix Press professional team have been very helpful to the Journal over the years, and I want to express my appreciation to all of them -- especially the Journal's personal Customer Service Representative, Ellie Vogel. Ellie has been our primary contact person with St. Croix Press from the first issue. After I hand over the Journal issue files to Ellie, I can trust that the process will go smoothly from set up, print, binding, labeling, and mailing. And if anything unusual does occur or there are any problems with the files, Ellie will call or email me to make sure that any problem gets corrected and that the Journal issues get out on time.

There were many times over the years that Ellie and the others at St. Croix Press have gone far out of their way to be helpful to me and the Journal. Here is just one example: About 6 years ago, my computer had a hard-drive failure. Because of a simultaneous failure of my computer backup procedures, I lost over a year's worth of back issues of the Journal (in addition to some other files). While most of this was archival information, and not essential for ongoing production, it still was a great loss not to have digital copies of these 6 or 8 issues. When I asked if anyone at St. Croix Press might have any copies of these past issues stored away on a computer, they did not. However, someone at St. Croix Press had an idea, and searched through a recycling bin filled with scrap CD's, including disks filled with old client magazine PDF's. And, my original old CD's, with a PDF of every single missing issue, were found, and returned to me. This was unexpected and very greatly appreciated!

Although the Journal will continue in its new online format, unfortunately the print version is ending with this issue. And so it is with sadness that I will be saying goodbye to St. Croix Press and it's loyal and professional staff who have helped me bring the Journal to you for all these years.

> Thank you! Jim Thrush Publisher & Editor

NEWS BRIEFS

ADEQ CONFIRMS GROUNDWATER QUALITY NOW RESTORED AT THREE WQARF SITES IN PHOENIX AND QUARTZSITE

Working with Arizona communities, ADEQ removes three sites from Arizona's Water Quality Assurance Revolving Fund (WQARF) Registry.

ADEQ officials announced recently that contaminated groundwater at three sites now meets applicable Aquifer Water Quality Standards (AWQSs), allowing their removal from the WQARF Registry. Each of these sites was added to the registry in 1998 due to groundwater contamination.

TYSON WASH, QUARTZSITE, ARIZ.

Working with the local Community Advisory Board (CAB), ADEQ initially implemented a remedy to pump and treat groundwater contaminated with tetrachloroethylene (PCE) and trichloroethene (TCE) at the Tyson Wash site, located in a mixed rural, commercial and residential area. Since expected completion of the initial remedy was 2032, ADEQ explored ways to expedite groundwater cleanup and closure. This led to the implementation of an alternative treatment method, called in-situ chemical oxidation (ISCO), in June 2014. This alternative remedy effectively achieved applicable AWQSs in February 2017, which accelerated the cleanup duration by 15 years and saves an estimated \$1.16 million.

Quartzsite Town Manager Jim Ferguson said, "We appreciate the assistance that the State of Arizona has given in removing this site from the registry, as it benefits both the quality and availability of the precious water in our desert state and our environment. It has been 19 years of commitment by ADEQ to this effort that has brought it to a successful conclusion and 15 years earlier than anticipated.

EAST CENTRAL PHOENIX (ECP) 40TH STREET AND INDIAN SCHOOL ROAD, PHOENIX, ARIZ.

Located in a mixed commercial and residential area, the ECP 40th Street and Indian School Road site had groundwater contaminated with PCE and TCE. ADEQ worked with the multisite CAB to thoroughly investigate and monitor groundwater conditions and carefully consider cleanup options. Ongoing monitoring at the site confirmed, in April 2017, that the groundwater meets AWQSs and that no further action is needed.

Jolene Morris, current ECP CAB Co-Chair and founding CAB member, said, "The strides made to remedy our current Superfund sites have been remarkable. At all stages of action, from investigation to remediation, the Arizona Department of Environmental Quality has done everything it could possibly do to keep neighbors informed about the process, progress and conditions of each of these [ECP] sites. The collective dedication of the team and their response to neighborhood concerns is remarkable. They have valued the input of the community, sought opportunities for investigation and information collection, and dedicated resources to provide timely updates. It has been a privilege to be on the Board these many years."

WEST CENTRAL PHOENIX (WCP) WEST GRAND AVENUE (WGA), PHOENIX, ARIZ.

Located in an area of mixed industrial and commercial properties with a low-density residential area to the east, the WCP WGA site had groundwater contaminated with TCE. Following a comprehensive site investigation and in-depth consideration of cleanup strategies, with assistance from the multi-site CAB, ADEQ chose a groundwater sampling and monitoring remedy. The remedy demonstrated that groundwater now meets AWQSs and that no further action is necessary.

"This is welcome news for the families in our City, who rightfully expect to have safe, clean drinking water available at all times," said Phoenix Vice Mayor Laura Pastor. "Efforts like this help to fulfill our promise to treat all residents fairly and with respect, and to address residents' needs, regardless of where they live. I look forward to working with ADEQ to address this important work at other superfund sites within the City."

"Clean drinking water is something we can never take for granted, and I am very pleased at this most recent report," added Phoenix District 6 Councilman Sal DiCiccio. "ADEQ has made tremendous progress ensuring everyone in Phoenix has access to safe, clean drinking water now and into the future."

"Salt River Project (SRP) supports ADEQ and the WQARF program and the Agency's efforts to clean up contamination throughout the Phoenix area," said SRP Chief Sustainability & Compliance Executive, Kelly Barr. "Groundwater is a valuable resource to SRP, and protecting our wells used for municipal water supply and irrigation is a priority. SRP looks forward to our continued partnership with ADEQ in support of the WQARF program."

"ADEQ's mission is to protect and enhance Arizona's unique environment," said Laura Malone, Director of ADEQ's Waste Programs Division. "Removing these sites from the WQARF Registry is directly attributable to ADEQ's commitment to improving our processes in order to accelerate cleanups across the state."

LOS ANGELES, CA & NOGALES, AZ RECEIVE EPA ASSISTANCE TO IMPROVE HEALTH, ENVIRONMENT AND LOCAL ECONOMY

Recently, the U.S. Environmental Protection Agency (EPA) announced that Los Angeles and Nogales are two of ten communities selected to participate in the Healthy Places for Healthy People technical assistance program. Healthy Places for Healthy People is a new initiative that helps communities *Continued on next page 14* AFTER 15 YEARS AS A PAPER-BASED PUBLICATION:

THE JOURNAL MOVES ONLINE

On October 22, 2017, the Journal of Environmental Management Arizona will progress from a hard-copy, printed Journal to an all digital, online publication.

Although no longer "paper-based", the mission of the Journal will not change. The Journal will continue to provide "Practical and Current Information For Environmental, Health, and Safety Professionals" in Arizona.

The core features of the Journal that you have enjoyed for almost 15 years will continue, as well as new features that were not feasible in a print publication.

JEMA ONLINE WILL CONTINUE TO OFFER: EH&S Articles Columns by your favorite authors Association Pages -- Updates from Arizona EHS Organizations News Briefs -- Article Links Event Advertisements -- Flyers about upcoming EHS events! Regulatory Updates / Links & More !

IN ADDITION, NEW FEATURES IN OUR DIGITAL FORMAT INCLUDE: Current Job Postings An EHS Business & Professional Directory (searchable) Current Event Advertisements with Links to Registration Pages An Event and Important Date Calendar Archives of Past Journals (including all 15 years of our print edition issues) More photographs! & More

MARK YOUR CALENDAR -- AND COME BACK OCTOBER 22ND You may request to be sent a notice when the new website goes LIVE. Send your email address to jimthrush@cox.net, or use the "Notify Me" form at the top of our website. I will send you an email reminder when the Journal goes LIVE online. See you then!

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NEWS BRIEFS

leverage health care facilities to foster downtown revitalization and economic growth, improve health and protect the environment.

In many communities, health care facilities can be catalysts for economic development, while investment in existing neighborhoods can improve walkability, protect air and water quality, encourage cleanup and reuse of contaminated properties, and conserve open spaces and natural resources.

"Partnering with health care facilities allows the EPA to help communities invest in the populations they serve and address environmental factors affecting public health," said Alexis Strauss, EPA's Acting Regional Administrator for the Pacific Southwest. "Incorporating environmentally friendly designs can improve public health and the environment."

Through Healthy Places for Healthy People, a team of experts will help community members and health care facility partners develop strategies and an action plan to address persistent needs, such as better health, improved public safety, basic infrastructure, and jobs. Partner organizations include community health centers (including Federally Qualified Health Centers), nonprofit hospitals, and other health care facilities.

In Nogales, Mariposa Community Health Center (a Federally Qualified Health Center) will explore creating a downtown clinic location. As the health center incorporates health and wellness into their plans, they envision green and open spaces for walking and physical activity and more economic opportunities for new businesses to start downtown.

In Los Angeles, the nonprofit New Economics for Women will partner with the public charter school NEW Academy of Science and Arts and the Arroyo Vista Family Health Center (a Federally Qualified Health Center), in the Pico-Union/Westlake neighborhood. The collaboration will address blight, air quality and poverty, while also meeting the housing and health care needs of the community it serves.

EPA support for Healthy Places for Healthy People is provided through the Office of Sustainable Communities, which promotes locally led, community-driven solutions that protect human health and the environment and strengthen local economies.

For more information, please visit: https://www.epa.gov/ smartgrowth/healthy-places-healthy-people.

US EPA Awards More than \$320,000 to California, Arizona Tribes to Reduce Diesel Emissions

✤ The U.S. Environmental Protection Agency's Pacific Southwest Region recently awarded \$321,458 in Diesel Emission Reduction Act (DERA) funds to two tribes in California and Arizona to reduce emissions from diesel trucks and buses. The grants will fund replacement vehicles for the Gila River Indian Community, near Phoenix, and the Morongo Band of Mission Indians, near Los Angeles.

"Clean diesel technologies not only improve air quality, but advance innovation and support jobs," said U.S. Environmental Protection Agency Administrator Scott Pruitt. "These projects will significantly reduce harmful emissions and directly benefit the health of residents."

The Gila River Indian Community received \$154,000 to replace two pre-2007 school buses with similar models with 2015 or newer engines. The school buses are owned by the Sacaton Elementary School District.

The Morongo Band of Mission Indians received more than \$167,000 to replace several heavy-duty vehicles. The tribe will replace a 1998 dump truck with a 2016 dump truck and replace a 1997 diesel truck with a 2016 refuse hauler. The new vehicles will have updated particulate filter technologies.

The U.S. EPA's DERA program reduces harmful emissions by funding engine replacements, idle reduction and retrofit technologies to clean up a variety of older diesel engines.

These DERA grants are administered by EPA's West Coast Collaborative, a clean air public-private partnership comprised of EPA's Pacific Southwest and Pacific Northwest Regions. Since 2008, the EPA DERA program has awarded nearly 690 grants across the U.S. in 600 communities. Many of these projects fund cleaner diesel engines that operate in economically disadvantaged communities where residents suffer from higher-than-average instances of asthma, heart



and lung disease. Projects funded to date have reduced emissions from more than 60,000 engines.

To learn more about all of this year's West Coast Collaborative DERA projects, visit: www.westcoastcollaborative.org

For more information about EPA's National Clean Diesel campaign and the awarded Tribal DERA projects nationally, visit www.epa.gov/cleandiesel.

ENVIRONMENTAL

COLLEAGUES

2017 Sept. 14 **OVEOLIA**

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Luncheon Featuring: Speaker: Chris Keesee, Operations Manager, Overley's Topic: Confined Space Safety Sponsor: TBA Location: SRP Pera Club, 1 E. Continental Drive, Tempe, AZ

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