

Our Mission

The San Diego Chapter of the WaterReuse Association provides a forum for the exchange of information to promote the beneficial use of recycled water in the San Diego region.

City's Water Purification Demo Project Honored with National Award

The WaterReuse Association has recognized San Diego's Water Purification Demonstration Project (Demonstration Project) for the "2011 WaterReuse Public Education Program of the Year Award" at its 26th Annual Symposium in Arizona. Along with examining the use of advanced water purification technology to potentially provide safe and reliable water for San Diego's future, the City of San Diego Public Utilities Department has embarked on a program to educate residents about the Demonstration Project by offering free public tours of the Advanced Water Purification Facility, speaker presentations to interested groups, and opportunities to learn about the Demonstration Project at community events throughout San Diego.

"The Mayor and City Council requested that we develop and



Members of the public receive a free tour of the City of San Diego's Advanced Water Treatment Facility as part of the Water Purification Demonstration Project.

implement a comprehensive public education and outreach program for this demonstration project and that's exactly what we have done,"

said Roger Bailey, Director of the City's Public Utilities Department. "We are truly honored to be

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FPUD's Recycled Sludge Becomes Middle-School Lab Experiment

Flushing a Fallbrook toilet has its environmental advantages: the sewage sludge that winds its way underground, to the Fallbrook Public Utility District's sewage treatment plant, gets recycled. State-of-the-art machinery dries the sludge and then transforms it into a Class A soil amendment.

And it works wonders.

Beginning this week, Fallbrook middle school science students are

going to find out just how much. The students will spend five weeks testing the recycled sludge in a biology lab experiment.

Dan Fischer, a science teacher at Zion Lutheran School, is tasking his students with determining how much of the soil amendment is ideal for growing lush, green plants.

Seventh and eighth graders, working in teams, will evaluate six

plants. One plant has just plain soil with no fertilizer. The other five plants have different concentrations of the amendment mixed into the soil.

One plant sits in a mixture of 5 percent fertilizer and 95 percent plain soil. Another plant has 10 percent fertilizer and 90 percent soil. The other three plants have concentrations of 15 percent, 20

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Meeting Announcements

NEXT MEETING:

October 11, 2011 9:00am-11:00am
 Location: Otay Water District
 Training Room

REMINDER:

Water Rights & Recycled Water Workshop
 October 26, 2011
 Irvine Ranch Water District

REMINDER:

SD Chapter Meeting, January 2012
 Location: TBA

City's Water Purification Demo Project Honored with National Award (cont'd)

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recognized for our ongoing work to increase community awareness of this potential new water supply," added Bailey.

The award recognizes education programs whose outreach enhances a better appreciation of water resources, management, and conservation. The City of San Diego Public Utilities Department is

receiving this award for its continued dedication to water reuse and its successful education campaign for the Water Purification Demonstration Project.

Members of the public are encouraged to register for a tour of the Project's Advanced Water Purification Facility, which has been open for two months. To register, visit the project website at

www.purewatersd.org/tours.shtml. For a presentation to community, civic, or business organizations, email purewatersd@sandiego.gov or call (619) 533-6638.

Article contributed by Jen Farrow, *Katz & Associates*

FPUD's Recycled Sludge Becomes Middle-School Lab Experiment (con't)

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percent, and 25 percent fertilizer to soil.

Fischer said he views the project as an important "green" experiment for two reasons. The first is that the district is producing a recyclable product out of something that would otherwise be buried in landfill. Secondly, the finished product is being marketed to local growers as a useful soil additive, thereby increasing the relevance of recycling sludge.

FPUD sells this renewable resource for a bargain price: \$20 a ton. Those who want much smaller quantities, say - a gallon - can pick it up at the treatment plant free.

District employees who have used the soil amendment in their own gardens report having huge, deep-red tomatoes that are much more flavorful than store-bought ones. They've had similar results with other vegetables. But they haven't measured exactly how much they've used.



An example of the soil amendment produced by FPUD.

Thus Fischer's lab experiment is particularly significant since the district has not done specific testing to determine the optimal percentage ideal for plant growth.

Jeff Parks, environmental compliance technician for the district, is looking forward to getting

those numbers. Parks works with the recycled bio-solid every day.

Sludge is the semisolid, slushy organic material that remains after wastewater is treated. The sludge is dewatered before it's put into the dryer. Then by heating it to very high temperatures, all harmful pathogens are killed. The end product is sterile, nutrient-rich granules that can safely be returned to the soil.

FPUD began the environmentally conscious recycling process in 2007 and has since received awards from the American Society of Civil Engineers and the American Public Works Association. The awards touted the merits of the project for its innovative, carbon-footprint reducing process, and building better communities as a result.

Article contributed by Noelle Denke, *Fallbrook Public Utility District*

IEA to Host Annual Statewide Environmental Summit

The Industrial Environmental Association (IEA) is set to host the 2011 Annual Statewide Environmental Summit on **November 9-10, 2011** at the **Paradise Point Resort and Spa in San Diego**. The event will be co-sponsored by WateReuse California, the California Manufacturers Technology Association (CMTA), the Chemical Industry Council of California (CICC), the California Air Pollution

Control Officers Association (CAPCOA), and the California Certified Unified Program Agencies (CUPA) Forum. The Summit's program topics include: air quality, climate change, compliance/enforcement trends, recycling/waste reduction, hazardous materials, regulatory/legislative updates, energy, green chemistry, water quality/stormwater, sustainable business practices, emerging business strategies, and

the California environmental reporting system.

Please visit www.ieasdc.org for registration, hotel reservations, and sponsorship opportunities. Hurry, early bird registration ends on October 28, 2011.

Article contributed by Mike Wykosky, *Winzler & Kelly*

San Diego's 4th Annual Water For People Fall Luncheon

The San Diego Committee of Water For People invites you to its 4th Annual Fall Luncheon to be held on **Thursday, October 27th, 2011** from 11:30AM - 1:00PM at the **Admiral Baker Golf Course Club House**, located in Mission Gorge. The Water For People community will gather to celebrate what has become the most distinguished fundraising event for the organization in the California – Nevada area. All are welcome and encouraged to register online at <http://2011wfpluncheon.eventbrite.com>.

Water For People (WFP) is a Denver-based non-governmental organization founded in 1991 by the American Water Works Association (AWWA). The international, humanitarian organization focuses on improving the quality of life in developing countries by supporting the development of locally sustainable drinking water resources, sanitation facilities, and health and hygiene education programs. WFP now works in rural areas of 11 countries where the need is greatest for water and sanitation solutions. The San Diego Committee is proud of its ongoing success in contributing to the organization, thanks to the continued support of San Diego-based individuals, businesses, and public agencies that have taken initiative to get involved both locally and internationally.

While the over-arching goal of the luncheon is to maximize donations for WFP projects, the Annual Luncheon program also provides information about global and local WFP initiatives. This year's program will feature Jen Farrow of Katz & Associates who will present highlights of her recent trip to Bolivia with Water For People. The program will also include information about the San Diego Committee's on-going fundraising work, as well as the many ways in which San Diego



Jen Farrow of the San Diego Committee of Water For People assesses the water and sanitation needs at a school in Bolivia.

residents can contribute their time and effort to this growing organization.

Over 120 people attended last year's luncheon in San Diego and raised \$8,600 for Water For People projects across the globe. **As a result of the 2010 Annual Luncheon donations alone, nearly 200 additional people have obtained sustainable clean water, sanitation, and hygiene systems.**

There are several ways to contribute to the success of this fund raising event, including purchasing individual tickets, becoming an event sponsor, or sponsoring a table at the event. Table sponsorships enable businesses to invite eight clients and employees to enjoy lunch, presentations about WFP, and time to network with leaders in San Diego's water and wastewater community. Overall event sponsorships provide two designated tables and recognition on event banners and materials. Eleven organizations have already made a donation to sponsor a table, including AECOM, Arcadis/

Malcolm Pirnie, Avista Technologies, CDM, California Bank & Trust, Coombs-Hopkins, DLT&V Systems, Katz & Associates, MWH, Potomac Hudson and Simon Wong Engineering. Donated prizes are also encouraged from individuals and businesses who wish to support the silent auction and raffle at the luncheon. For more information, to register, or to make a contribution to this event, please contact Charlie Wolfe at (858) 810-1440, cwolfe@rbf.com. Please register early; the luncheon is expected to sell out.

Article contributed by Jen Farrow, Katz & Associates

WateReuse California to Host Water Rights & Recycled Water Workshop

The increasing value of water and cost of infrastructure have highlighted constraints and opportunities presented by the intersection of water rights and recycled water. The growing focus on recycled water as a sustainable alternative water supply has led many in the recycling community to seek greater familiarity with the law of water rights to adequately manage existing recycled water resources and plan future recycled water projects. WateReuse California is hosting a workshop to provide you with information in this area of emerging importance for our industry.

The workshop will cover the following topics: a summary of relevant California water rights law and related regulations and

policies; case studies of water rights challenges and solutions to address water recycling needs; strategies for engaging the State Water Board and your Regional Water Board to comply; opportunity for you to address your water rights questions to experts; and an update on other recent regulation developments potentially affecting recycled water programs.

The workshop is specifically designed for recycled water utility managers, water supply planners and managers, recycled water system planners, environmental compliance managers, community affairs and public outreach coordinators, staff and contract attorneys, and consulting engineers and CEQA practitioners.

The workshop will be held in Southern California on **October 26, 2011** at **Irvine Ranch Water District**. This workshop will also be held in Northern California on November 2, 2011 at Sacramento Regional County Sanitation District.

Registration materials are available at www.watereuse.org/conferences/california.

Article contributed by Mike Wykosky, Winzler & Kelly

Our Members

Membership forms are available at www.watereuse.org/sections/california/sandiego/membership

AECOM Water
Atkins (formerly PBS&J)
Bailey Environmental Associates, LLC
Black & Veatch Corporation
Brown & Caldwell
Camp Dresser & McKee, Inc.
Carollo Engineers
Carlsbad Municipal Water District
City of Encinitas
City of Escondido
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City of San Diego
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Fallbrook Public Utility District
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Surfrider Foundation
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Water Conservation Technology International
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Got News? Email articles to MikeWykosky@w-and-k.com

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