

The Monthly Dirt



Storm Water Education Shouldn't be BIG Business

A Monthly Newsletter on the California Construction General Permit
By WGR Southwest, Inc.

Everyone likes to get something for free! But, you probably have also heard the old adage “you get what you pay for”. However, this is not always the case, sometimes free things are not only “without a price” but are also “priceless”. For example, freedom in this great Country of ours is not something that we have to pay for, but it does come at a high cost. Similarly, the education opportunities offered during Storm Water Awareness Week are free as described by one of the event’s core values - “no money changes hands – anywhere!”. But make no mistake about it, the workshops being given take time, effort, and expenses donated by the persons and organizations offering them. Why do they do it? What’s in it for them? In this edition of **The Monthly Dirt**, we turn our attention to **Storm Water Awareness Week**. We will explore this annual event that started 5 years ago and learn more about why storm water education shouldn’t be big business.

How it All Started – Storm Water Awareness Week was birthed in 2012 at the end of the recession. You may remember that it had been only a couple of years since the release of the new Construction General Permit; the draft of the new Phase II MS4 Permit was going through the public review process; and there was talk of a new Industrial General Permit to be released in the near future. All of these permits required training. Yet, in talking with staff from municipalities, construction companies, and industrial facilities very few had budgets to get the training they needed. It was out of the question to send staff to one of the large national, regional, or state-wide storm water conferences. Not only did these programs cost hundreds, if not thousands, of dollars in admission fees, airfare, lodging, and per diem; but many of these conferences were held in resort communities. Because of past bad publicity due to spending or ethical abuses of public employees at resorts, many municipalities had instituted policies against sending employees on any business trips to resort destinations. All of this meant, that there needed to be a new way to get storm water education. And, with no training budgets and limited options, the education had to be free.

An Idea is Born – A few storm water professionals saw the dilemma that many of these budget-strapped organizations were in and decided to put on a week of free educational workshops. During the first event in 2012, which was held in Central and Northern California, 10 storm water organizations hosted 20 workshops that were attended by more than 250 registrants. So many inquiries and requests were received from Southern California entities, that the organizers decided to open the event up to the entire State in 2013. Since then, the event has continued to grow. During the 2015 Storm Water Awareness Week more than 1,700

registrants signed up for the 70 workshops being offered from San Diego to Redding, and from the Bay Area to South Lake Tahoe. This year, there are already 50 workshops being offered – with new ones being added every week leading up to the event. Plus, there are six workshops that will be hosted online through webinar or video – which means you can attend a workshop no matter where you are located in the State.

Quality Education – Although the workshops are free, they are still quality learning opportunities. Many of the workshops are being taught by some of the State’s leading storm water professionals including QSPs, QSDs, QISPs, and Trainers of Record. The presentations are designed to be a learning experience. Storm Water Awareness Week does not allow “infomercials”. The policy for presenters is to limit self-promotion to 5 minutes and give 55 minutes to education. Another core value of the organizers is to make the education “practical” where you can touch and feel the BMP or talk to the person who implements it on a daily basis. Presenters are encouraged to get creative with their venues. Past classes have been held at industrial facilities, on construction sites, at a Home Depot, in laboratories, at water treatment facilities, in parks, at the river, and many other locations. Check out the list of workshops for this year - it is no exception!

Why Do They Do It? – The answer is simple - to meet people. Although you may not have money for training, there may come a time when you or your organization needs the services, products, or expertise of those giving the classes. Relationships built during a Storm Water Awareness Week workshop often turn into a business opportunity at a later date; which demonstrates that “free” makes for good business. **MD**

This Year's Theme

"Going Deeper" is the theme of the 2016 Storm Water Awareness Week. By that we mean that we want to explore the cause and effect relationship between our actions and water quality in the context of municipalities, construction sites, industrial facilities, or the watershed as a whole. We have workshops that will help you "connect the dots" between behavior and actions and the health of the watershed. Check out this year's thought provoking promo video:



2016 SWAW Partner

Storm Water Awareness Week is excited to have SeaWorld San Diego as a non-monetary sponsor and partner for this year's event.

SeaWorld is obviously committed to clean water and protecting the environment. Their marine mammals and fish depend upon habitats that are free of pathogens and toxic substances. Storm water runoff is not only something that could affect their resident mammals and fish, but the San Diego park itself has to be careful about correctly managing its own discharges. Their staff (aka ambassadors) are trained to implement BMPs appropriate to their job functions. When the park closes for the day, the cleaning and maintenance begins to make sure that water quality is at its highest possible level.

SeaWorld invited WGR Southwest, Inc. to shoot three documentaries that will premiere during this year's week of programming. The first video will be shown as Keynote Session #1 and is about the water treatment systems that SeaWorld operates for its water intake, habitats, and the NPDES-permitted water discharge. Keynote Session #2 is titled Water Pollution's Silent Victims and features the work of the SeaWorld Rescue team. This video will help make the connection between urban runoff and sick or injured marine mammals. Keynote Session #3 delves deeper into the subject by interviewing Dr. Pam Yochem of the Hubbs SeaWorld Research Institute who will talk about her studies relating parasites from domestic cats to threatened sea otter and Hawaiian Monk Seal populations.

SeaWorld has also graciously donated four single-day pass tickets to their San Diego theme park - a value of over \$350. This pack of four tickets will be given away to one workshop registrant via a random drawing. Register at www.StormWaterAwareness.org for one of the online keynote sessions or one of the many live in-person workshops being offered throughout California. The more classes you register for - the greater your chances of winning. No purchase is necessary. Some blackout dates apply to the tickets. Tickets are valid through 8/31/2017 and must be used at SeaWorld San Diego. The winner will be announced on the website on Friday, September 30 at 12 Noon.

Upcoming Training

Got SWPPP? Classes coming to Lodi:

- ✓ QSP/QSD Training, **October 25 - 27, 2016**
- ✓ BMP Roundup for Municipal Inspectors, **November 8, 2016** (Only City and County inspectors allowed! No contractors please.)

(For more information about these classes, go to www.gotswppp.com or email iteravskis@wgr-sw.com)

Join the Movement

Storm Water Awareness Week is a grass roots movement started by professionals and organizations just like you. It is the storm water industry educating itself and we depend upon people like you to give workshops. It is not too late to sign up to host a workshop. CPESCs, CESSWIs, and CISECs can earn PDHs by giving a workshop. MS4s can get education and outreach credit for their programs. Industrial facilities can team up to meet ERA Level 1 training requirements. But it only works if you get involved. Storm Water Awareness Week relies on the participation of the storm water community. If we are going to make a difference in storm water education, we need your help! Click [here](#) to learn more or to sign up to give a workshop.



A favorite part of each year's event has been the promo video. Click the link to the right for a compilation of all 5 videos. Mike Lewis is our annual spokesperson. How far we have come! We had fun making them.



Please contact us if you have any questions ...

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Call ...

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WATCH THE VIDEO: GO TO WWW.STORMWATERAWARENESS.ORG

SAVE THE DATE!

DOWNLOAD THE EXCLUSIVE
POSTER ART AT
STORMWATERAWARENESS.ORG



INTRODUCING THIS YEAR'S STORM WATER QUALITY PARTNER


SeaWorld
San Diego

DON'T MISS THE SEAWORLD
KEYNOTE SESSIONS - AND A CHANCE
TO WIN FREE TICKETS!

Storm Water
AWARENESS

Week

★ SEPTEMBER 26-30, 2016 ★

EARN PROFESSIONAL DEVELOPMENT UNITS

★ *Free of Charge* ★

★ WWW.STORMWATERAWARENESS.ORG

**Free Construction Workshops
at
WGR's Lodi Construction Sandbox & Training Center**

Lodi, CA

| Title | Description | Date / Time |
|--|---|--------------------------|
| Drought-Friendly Wind Erosion Prevention Techniques | Is water the only way to control dust? Come learn about dust control in a drought-conscious State. WGR's QSPs will team up with a San Joaquin Valley Air Pollution Control District inspector to talk about controlling dust at your construction site. The presentation will be held in WGR's Construction Sandbox in Lodi, California where we will have live examples of dust control methods. You will be able to see what 20% opacity looks like. | 09/27/2016 - 08:30 AM |
| How to Achieve Final Site Stabilization | What is needed to terminate your Construction General Permit? Final site stabilization! But, sometimes it can be a challenge to get final stabilization. WGR's QSPs will team up with the Regional Water Quality Control Board's Robert Ditto to talk about how to get final stabilization in order to close the permit. The presentation will be held in WGR's Construction Sandbox in Lodi, California where we will have live examples of stabilization methods. | 09/27/2016 - 09:45 AM |
| Building a Sediment Trap with Compost Socks | Do you want to see a very unique sediment trap? Come help us build one! We will build and, at the same time, learn about how compost socks can be used to create a sediment trap for a project's discharge point or de-watering project. WGR's QSPs will team up with Filtrix to do this truly unique demonstration project. The presentation will be held in WGR's Construction Sandbox in Lodi, California where we have other examples of sediment controls. | 09/27/2016 - 11:00 AM |
| Tamin' a Misbehavin' Outfall | What do you do when you have one outfall that is not behaving right and messing up your NALs? Come see one way to get improved NALs with readily available items and a few hours of effort. WGR's storm water experts will get you involved in this unique demonstration project. The presentation will be held in WGR's Construction Sandbox in Lodi, California. | 09/27/2016 - 12:30 PM |
| Get Active with an Active Treatment System | Sometimes even the best BMPs can't do the job! That's when it time to pull out the big guns - an Active Treatment System. WGR's storm water experts team up with Active Treatment Systems, Inc. to have a real "show and tell" of how to plan for and utilize an ATS. You will get to climb onboard the ATS treatment trailer, perform water testing, and determine how much flocculant to use in this hands-on demonstration project. The presentation will be held in WGR's Construction Sandbox in Lodi, California. | 09/27/2016 - 01:45 PM |

Stay for all five construction workshops to earn 5 PDHs.

Free hot dog lunch at 12 Noon.

Register at www.StormWaterAwareness.org



Going deeper.

STORM WATER AWARENESS WEEK

**SEPTEMBER
26-30
2016**

PRODUCT SPOTLIGHT

Our **D-Watering Bags** are effective devices for separating sediment from pumped water. Made from heavyweight, non-woven geotextile fabric, **D-Watering Bags** are a snap for filtering solids and sediments out of your water. The input sleeve is designed to accommodate several hose diameters. Securing the bag to a hose is quick and easy, using the heavy-duty webbing and d-rings that are sewn to the sleeve. To maintain uniform integrity, each **D-Watering Bag** is sewn with a 4-thread lockstitch hem, and an additional perimeter lockstitch sewn with high strength, marine-rated poly thread.

D-Watering Bags are available in three sizes: 3'x4', 4'x6', and 6'x9'.

Product Specifications:

- Material: 8-ounce non-woven geotextile
- Strapping: Weather-resistant 2" polypropylene webbing
- Available Sizes: 3'x4', 4'x6', 6'x9'

STARTING AT
\$64.00



Are you stocked
up for the storm
season?

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Come check us out!

11780 N Highway 99

Lodi, CA 95240

(916) 918-0408

PLEASE JOIN US:

STREAM SUMMIT AT SHASTA COLLEGE

Repairing Incised, and Degraded (Urbanized) Streams – Assessment, Techniques and Case Studies

2-day Classroom and Field Workshop

October 19th – 21st, 2016

Instructors:

**John McCullah,
Geomorphologist/Bioengineer**

**Eric Berntsen, PH, CFM, CPESC, Habitat
Restoration Hydrologist**

Guest Speaker:

**Chris Hammersmark, Ph.D., P.E.,
Ecohydrologist, cbec, inc. ecoengineering**

This workshop is intended for professionals working in or near streams - Need information on selecting and designing bank stabilization practices, permitting or regulating stream projects, repairing incised streams, meeting hydromodification goals, developing stream habitat enhancement grants, and those interested in Biotechnical Stream and Slope techniques and/or the most current and innovative environmentally sensitive practices and methods. John will provide case studies of projects, some "aged" over 10 years, implemented in the US, Canada, New Zealand and Malaysia.



**Breakfast and lunch will be provided
Thursday & Friday.**

Register at: www.watchyourdirt.com
Email jeni@salixaec.com
Call: 530-247-1600

- Bioengineering
- Fluvio-Geomorphology
- Channel Evolution Model
- Hydro Modification
- Bank Full Discharge
- Ordinary High Water Mark
- Habitat Enhancement,
- Environmentally-Sensitive Channel and Bank Methods
- Self-adjusting Rock Gradations
- Redirective Methods vs. Resistive Methods
- Thalweg Management
- Rock Vanes / Bendway Weirs
- Meander and Avulsion Erosion

Stillwater Creek at our campus is perennial, salmonid stream which is incised about 25', representing a typical "urbanized/hydrmodified" stream system one tributary is sediment depleted and another adjacent is massively aggraded. Historic and present upstream land uses range from "range" over grazing, gravel mining, stream straightening, gabion baskets, and tire revetments. Stillwater Creek will provide a living laboratory for walking and "reading the stream", assessing problems and then developing strategies to repair and restore based on the theories presented in the classroom setting. Waders or river shoes will be necessary as the creek will be low with a few deeper pools.



Stormwater Professional Development Networkshop

October 12, 2016; 10am-4pm

FREE, Lunch Included

Location: Maidu Community Center (Reception Hall)
1550 Maidu Drive, Roseville, CA 9566



Adverse environmental impacts can be treated through a growing suite of compost-based practices that lean on organic processes discovered by nature long ago. Attend this seminar and demonstration to learn more about these practices.

For more information and to register, contact **David Franklin**, david.franklin@filtrexx.com, 415-301-1848. Please Register by October 3, 2016.

Presented by:



| Time | Topic | Speaker |
|---------------------|---|---|
| 9:30 AM - 10:00 AM | Registration & Sign In | |
| 10:00 AM - 10:10 AM | Introduction/Welcome | City of Roseville Stormwater Management Program |
| 10:10 AM - 10:20 AM | Announcement: Adoption of Roseville's New LID Manual | City of Roseville Development Services |
| 10:25 AM - 11:00 AM | LID with a New Twist, <i>Connecting the Dots Between Municipal, State and Global Environmental Objectives</i> | Craig Kolodge, Ph.D. |
| 11:00 AM - 12:00 PM | Living Walls, <i>Every Designer's Green Dream</i> | Mark Woolbright |
| 12:00 PM-12:30 PM | Lunch | |
| 12:30 PM - 1:45 PM | Principles of Temporary Erosion and Sediment Control BMPs, <i>Stormwater Pollution Prevention for Construction, Municipal and Industrial Operations</i> | David Franklin, QSD/QISP |
| 1:45 PM - 2:30 PM | Caltrans' Experience with Compost BMP's, <i>The Hwy 101 Prunedale Interchange Project</i> | David Franklin, QSD/QISP |
| 2:30 PM - 2:50 PM | Roseville Tailgate, <i>Specifics of Roseville BMP requirements for Construction</i> | City of Roseville Development Services |
| 2:50 PM - 3:00 PM | General Questions/Closing | City of Roseville Development Services |
| 3:00 PM - 4:00 PM | Onsite Demonstration, <i>BMP Field Setup & Certificates of Attendance</i> | David Franklin, QSD/QISP |



Stormwater Professional Development Networkshop

October 6, 2016; 10am-4:00pm

FREE, Lunch Included

Location: Salinas City Hall Rotunda
200 Lincoln Ave, Salinas, CA 93902



Adverse environmental impacts can be treated through a growing suite of compost-based practices that lean on organic processes discovered by nature long ago. Attend this seminar and demonstration to learn more about these practices.

For more information and to register, contact [David Franklin, david.franklin@filtrexx.com, 415-301-1848](mailto:david.franklin@filtrexx.com).
Please Register by September 30, 2016.

Presented by:



| Time | Topic | Speaker |
|---------------------|--|---|
| 9:30 AM - 10:00 AM | Registration & Sign In | |
| 10:00 AM - 10:10 AM | Introduction/Welcome | City of Salinas Stormwater Management Program |
| 10:15 AM - 10:55 AM | LID with a New Twist, <i>Connecting the Dots Between Municipal, State and Global Environmental Objectives</i> | Craig Kolodge, Ph.D. |
| 11:00 AM - 12:00 PM | Living Walls: Every Designer's Green Dream, <i>Engineered walls, slopes and fences that grow and achieve design objectives</i> | Mark Woolbright |
| 12:00 PM-12:30 PM | Lunch | |
| 12:30 PM - 1:30 PM | Principles of Temporary Erosion and Sediment Control BMPs, <i>How and why BMPs work or fail</i> | David Franklin, ToR |
| 1:35 PM - 2:30 PM | Caltrans' Experience with Compost BMP's, <i>The Hwy 101 Prunedale Interchange Project</i> | David Franklin, ToR |
| 2:30 PM - 3:00 PM | BMPs on the Ground, <i>optional field layout of BMPs</i> | David Franklin, ToR |
| 3:00 PM - 4:00 PM | Jobsite Walk, Salinas CIP, <i>optional</i> | David Franklin, ToR/City Inspector |

