



The 2014 western promo film cast and set.

We know that sometimes training sessions and videos can be boring, so it was our goal to make them memorable. What began as a short blurb about the event in 2012 turned into a Twilight Zone inspired promo (2013), which turned into an all-out, old-fashioned western promo (2014), which turned into a fishing trip (2015), which turned into many, many more unique, funny, or thought-provoking promo films. We've filmed on a sailboat, in a classic VW Bug, in a small biplane, and in many more fun places. But the creativity didn't just stop with the promo film. From the start of Storm Water Awareness Week, the event was formatted to be comprised of in-person workshops hosted by storm water professionals and broadcasted keynote videos which highlighted the theme of the year. These keynotes originally started as live-streamed broadcasts from sets built in the WGR Southwest, Inc. studio, but in 2016 they turned into in-the-field documentaries when Storm Water Awareness Week partnered with SeaWorld San Diego to learn about treatment systems and pathogens in our waterways. Since 2016, the keynotes have

turned into mini storm water documentaries which air during Storm Water Awareness Week (*PS – keep reading to find out what this year's keynotes are all about...*).

While the yearly keynotes may highlight certain relevant or new storm water topics, the true powerhouse of storm water education has been the hundreds of construction, industrial, or municipal related, hands-on, in-the-field workshops which have been presented by dozens of different storm water professionals. These workshops are the backbone of Storm Water Awareness Week. And up until last year, workshops were mainly in-person classes which were held across the state—providing people the opportunity of learning by doing. Not only were these workshops quality training given by knowledgeable presenters, but they were amazing times of networking and learning – connecting clients with services they need, and services with new clients. Connections were made and necessary training was acquired. A win-win! However, due to the pandemic, Storm Water Awareness Week went completely virtual in 2020. What we thought would take a huge toll on the turnout of the event surprised us by actually boosting event attendance and participation. Instead of workshops being limited by location, anyone from anywhere could attend any of the workshops without having to commute! 2020 opened a whole new realm of storm water education possibilities....

So, what's in store for 2021?

In honor of our ten-year anniversary, we thought it would be fitting to look at the history of Storm Water Awareness Week. To share the details of how it started, hear from some of the people involved in the event over the years, and give some of the behind the scenes of Storm Water Awareness Week. The 2021 Keynotes will be a look at the decade past – a walk down memory lane and a peep at what's ahead.

Because of the continuing pandemic, Storm Water Awareness Week will again be a 100% virtual event. As mentioned before, in 2020, the event went from having dozens of in-person, in-the-field workshops, to being completely online. And despite the obstacles, the creativity of Storm Water Awareness Week presenters has continued to surprise and inspire us. Although the workshops may be virtual, the presenters have come up with great ways for them to still be interactive as well as informative. This year is no different—we have a great lineup of workshops for you, and are so thrilled to announce that this year's workshop hosts are **Tully Consulting Group, Rincon Environmental, Endemic Environmental, Frog Environmental, WaterTectonics, City of Lodi Watershed Program, San Pasqual Valley Soils, Caltrans, The State Water Board, Clear Creek Systems, Envirotech, WGR Southwest, Inc., Active Treatment Systems, California Filtration Specialists LLC, Verux Inc., and Sempergreen USA**. You are not going to want to miss out on any of these incredible workshops. You can find a list of all the available workshops and times attached at the end of the newsletter or on our website (stormwaterawareness.org) – remember there's something for everyone. We've got workshops that cover the construction, industrial, and municipal storm water sectors.

We hope you will join us for another year of storm water education. As always, Storm Water Awareness Week is completely free, definitely worth your time, and for a second consecutive year – 100% online.

Save the date! September 27–October 1.

Because storm water education shouldn't be big business....



Filming 2016 keynotes at SeaWorld San Diego



The Rain Events

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storm water awareness week

CONSTRUCTION & MORE

1 WHAT IS STORMWATER POLLUTION?

Demonstrate the potential of stormwater to impact water quality using Enviroscope's nonpoint source watershed model.

September 27 at 11:00 AM

2 ENHANCED GREEN ROOF STORMWATER MANAGEMENT

Two innovative concepts, the Sponge-Roof Concept and the Purple-Roof Concept, provide far greater stormwater retention and detention than traditional green roofs. Learn how these work and how they can be applied to your project.

September 28 at 8:00 AM

3 STORM WATER - CALTRANS STYLE!

Dusty Giffin, Storm Water Coordinator for Caltrans District 3, and David Korfas, Construction Storm Water Coordinator with TRC, will be talking about how Caltrans complies with the California Construction General Permit. They will cover some of the Caltrans-unique program elements such as CEM forms, CCEP and Photo Log inspections, Water Pollution Control Manager requirements, and Winterization Plans. There will be time allowed for Q&A. This is a great class for contractors and consultants new to Caltrans work.

September 28 at 2:00 PM

4 NEW 8-HOUR CALTRANS WATER POLLUTION CONTROL MANAGER TRAINING REQUIREMENTS

Discuss the new Caltrans Water Pollution Control Manager (WPCM) 8-hour training requirement. Provide the history and timeline of the training. Provide an overview of the training topics and emphasis for WPCM's moving forward. Explain other new Caltrans storm water specification changes.

September 29 at 1:00 PM

5 Q&A WITH THE WATER BOARD ON THE PROPOSED CONSTRUCTION GENERAL PERMIT

Amy Kronson who is the Unit Senior of the Water Board's Industrial / Construction Division will be talking about the proposed renewal of the Construction General Permit. She will review significant changes in the proposed permit and update us on the status of the permit adoption and the types of comments received during the public comment period. There will be time for you to ask the Water Board questions about the proposed permit renewal.

September 28 at 10:00 AM

6 BMP- KICK THE CAN PART 1

Walk with two of WGR's QSPs - Mike Lewis and Matthew Lewis, through a couple of active jobsites as we look at how BMPs are installed - both good and bad examples, how each BMP should be managed, and what to look for as your doing your inspection. (This is a 2 part workshop)

September 28 at 12:30 PM

7 BMP- KICK THE CAN PART 2

Walk with two of WGR's QSPs - Mike Lewis and Matthew Lewis, through a couple of active jobsites as we look at how BMPs are installed - both good and bad examples, how each BMP should be managed, and what to look for as your doing your inspection. (This is a 2 part workshop)

September 28 at 3:15 PM

8 STORMWATER CONSIDERATIONS FOR FULL SERVICE ENVIRONMENTAL PROGRAMS

In this session, we plan to talk about the considerations related to cross training of biologists and other technical field staff to implement stormwater inspections and monitoring programs. We may also touch on the integration of related WDR/NPDES monitoring programs with stormwater and TMDL programs for municipalities.

September 27 at 2:00 PM

9 ANATOMY OF A CONSTRUCTION STORMWATER TREATMENT SYSTEM

Join Clear Creek Systems for a presentation on capturing and treating stormwater with emphasis on both passive and active treatment systems. We will discuss strategies and best practice to minimize costs while complying with permit regulations. Treatment system components will be reviewed and participants will gain an understanding of how it all comes together to meet unique and sometimes challenging site conditions. Emphasis will be on residential and commercial construction.

September 29 at 12:00 PM



storm water awareness week

CONSTRUCTION & MORE

10 YOSEMITE MEADOW AND RIVER RESTORATION - LIVE FROM YOSEMITE

Alpine meadows play an important role in the State's water quality. Much of the water we drink has been filtered by a meadow. But, historically, the benefit of meadows was not understood and under appreciated. They were thought to be bogs that breed mosquitos and needed to be filled or transformed into something useful. Join us for this live broadcast from Yosemite National Park as we look at and talk about two meadows in the process of being restored and why that is beneficial to water quality.

September 29 at 10:30 AM

13 OUR APPROACH FOR PRODUCING ENGAGING TRAINING VIDEOS

So, you need a training video and don't know where to start? This is the workshop for you. Our video production team will dive into our process for taking (usually dry) training content and making it engaging and interesting to watch. If you're wondering what to expect when producing a training video, or looking for creative ideas to present training, then join us for this workshop!

September 27 at 12:30 PM

11 ACTIVE TREATMENT SYSTEMS: ASK THE PROFESSIONALS

In this presentation frequently asked questions about active treatment systems from the construction community and the stormwater community will be addressed. The session will be followed by live question and answer period. Any questions not covered during the live period, can be Emailed to vslater@ats-env.com and all questions will be answered.

September 29 at 9:15 AM

14 STORM WATER AWARENESS WEEK: THE KEYNOTES

This year, Storm Water Awareness Week is turning 10! To commemorate and celebrate the past decade of storm water education, we thought it would be fitting to share some of the behind the scenes of Storm Water Awareness Week, hear from some of the people who have helped create Storm Water Awareness Week into what it is today, and highlight some of our favorite keynotes.

September 27 - October 1

15 APPLICATION TO THE FIELD: PERFORMING FIELD MONITORING WITH CLEAN WATER FOR WILD STREAMS AND WILDLIFE

This workshop encompasses applying the 401 and 1600 permits to onsite conditions. Keeping these permits in mind, we go through the process of conducting field water quality sampling and wildlife protection.

September 29 at 3:30 PM

12 LIFE, EROSION, AND THE ENJOYMENT OF BENEFICIAL USES

It is not often you get these two erosion professionals together in the same room. (OK, technically Zoom isn't a room.) But, David Franklin and John Teravskis will be teaming up for a special Storm Water Awareness Week edition of David's Open Forum Friday. They will be talking about hot topics in the world of erosion and sediment control. In this talk show-style program, you will be able to ask these professionals about erosion challenges or questions you may have. It is sure to be informative, a lot of fun, and probably a little strange.

October 1 at 8:00 AM

16 STORM WATER AWARENESS WEEK: THE NEXT CHAPTER

WGR has been the host of this grassroots educational event for the past 10 years. We have enjoyed every moment and it has been our gift to the storm water industry. We want to share this privilege with others. Join John and the WGR team as we discuss what is in store for the future and how your organization can play an important role in this annual event. We want to hear from you during this one hour workshop. Please come with ideas on how to grow SWAW and to make it more relevant to the storm water community. This event belongs to all of us!

October 1 at 3:00 PM



storm water awareness week

INDUSTRIAL

1 INDUSTRIAL STORMWATER TREATMENT: THE TOP 5 PITFALLS TO AVOID!

Stormwater treatment can be a challenging endeavor, even for the most experienced professionals. Installation of treatment systems can include detailed engineering, construction, permitting, chemistry, compliance, legal, and other aspects. Further, companies often attempt to tackle these projects on tight timelines and with imperfect data. Many projects are site-specific and unique, but there are usually common threads between them. In this presentation, we will share our perspective on installation of industrial stormwater treatment systems and the Top 5 most common pitfalls to avoid when starting a new project. We hope you can join us and that you'll share some of your best lessons learned as well!

September 28 at 11:15 AM

3 IGP BASICS PART 1: WHAT IS THE IGP

Many businesses find that they are required to acquire Industrial General Storm Water Permit (IGP) coverage. This workshop, which is Part 1 of a three-part series on the IGP, will discuss a brief history of where the IGP came from, who is required to have IGP coverage, and which Best Management Practices the IGP expects dischargers to employ. This three-part workshop series is designed to meet the IGP Employee Training requirements in Section X.H.1.f.

October 1 at 9:30 AM

2 DESIGNING AN INDUSTRIAL STORMWATER SYSTEM: CONCEPT TO COMPLETION

Join Clear Creek Systems as they discuss the design and implementation of a Industrial Stormwater Treatment System. This top down view is designed for consultants and industrial facility operators and will touch on: • Assessing the Site - Site Design & Layout • Identifying Contaminants of Concern • How to Treat the Water Efficiently and Economically • Pilot/Bench Testing to Prove Results

September 30 at 11:00 AM

4 IGP BASICS PART 2: WHAT AM I EXPECTED TO DO?

This workshop will discuss the monitoring requirements in the IGP. You can say that Part 1 is the "what" of the IGP and Part 2 is the "how." This three-part workshop series is designed to meet the IGP Employee Training requirements in Section X.H.1.f.

October 1 at 11:00 AM

5 IGP BASICS PART 3: SAMPLING

This workshop will review some different sampling situations and recommendations on how to collect compliant samples. If Part 1 is the "what" of the IGP and Part 2 is the "how," Part 3 is the "how to" of IGP sampling. This three-part workshop series is designed to meet the IGP Employee Training requirements in Section X.H.1.f.

October 1 at 1:30 PM

6 TREATMENT DONE RIGHT

A deep dive into the process of selecting, installing, and maintaining a water treatment system on an industrial site.

October 1 at 12:30 PM

7 STORM WATER AWARENESS WEEK: THE KEYNOTES

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September 27 - October 1

8 UH OH, I'M OVER MY PERMIT LIMITS... NOW WHAT? NINE SITES THAT GOT IT FIXED, AND HOW YOU CAN TOO.

So you are exceeding your IGP permit limits, what now? There are so many options to navigate to bring your site into compliance, how do you know what is right for your site? In this presentation, we will provide an overview of both the how and the what of stormwater treatment. On the how side, from a do-it-yourself approach to hiring consultants, we will cover the pros, cons and tradeoffs between each approach. On the what side, we will cover a range of treatment approaches from passive to active, and then delve into the various types of active treatment technologies to consider for your site. Throughout, we will show how nine different sites across California navigated and found their way to an effective solution. We hope you can join us, and please bring some questions about your site for the presenter.

September 27 at 9:30 AM



storm water awareness week

MUNICIPAL

1 IN A COVID WORLD- USING LITTERATI FOR CLEANUPS

The Water Board in 2020 presented MS4 permittees a seemingly impossible challenge: keep on going with permit requirements, yet local public health requirements orders prevented community cleanups. Enter the Litterati app- digital Cleanup Challenges which engages the public in keeping our town clean. This strategy worked well for Lodi, increasing community involvement towards identifying and cleaning trash hotspots throughout the community, while providing the City with needed data for reporting purposes. Win-win!!

September 30 at 1:45 PM

2 PESTICIDES AND STORM WATER QUALITY

Are you a municipality looking for staff training regarding the new Pyrethroid Control Program? This workshop is for you! We will cover the Pollution Prevention requirements of the Pyrethroid Management Program, discuss stormwater runoff and water quality concerns, and utilizing Integrated Pest Management in conjunction with chemical controls. This workshop is aimed towards municipal environmental compliance managers and municipal pest applicators.

September 30 at 9:30 AM

3 LOW IMPACT DEVELOPMENT FOR STORMWATER TREATMENT

The principles of low impact development can greatly reduce the costs of implementing stormwater treatment systems. Additionally, LID technologies are more easily maintained while providing increased infiltration, water quality, and storage capabilities.

September 29 at 8:00 AM

4 ILDDE, POLLUTION PREVENTION, & GOOD HOUSEKEEPING

This workshop is designed to cover the municipal staff required training listed in E.7.b of the Phase II MS4 Permit. This workshop will provide a refresher training on Illicit Discharge Detection and Elimination, Pollution Prevention Tips for O&M activities, and performing Good Housekeeping at municipal facilities.

September 30 at 8:00 AM

5 CONDITIONING CONSTRUCTION PROJECTS WITH STORM WATER REQUIREMENTS

ESCP or SWPPP? Small or Large PCSP? CGP coverage? Are you confused by all the acronyms yet? This workshop is geared for municipalities, and specifically permit technicians, to understand what storm water permits are required of new construction and when they are required. We will be covering Erosion and Sediment Plan requirements, Construction General Permit Coverage, Post-Construction Plan requirements, and some things to consider during permit finals. Whether you're a permit technician for a municipality, or on the development side, this workshop will help make sense of when storm water plans are required and which plans a project will need.

September 30 at 12:30 PM

6 TREATMENT OF PFAS IN STORMWATER

Taking a holistic approach to PFAS management, one can develop a system that is effective, efficient, and specific to your treatment needs. PFAS is a very complex problem requiring a complex and complete solution. Learn what goes into the treatment of PFAS in stormwater.

September 29 at 2:15 PM

7 COMMON MISTAKES & MISCONCEPTION ASSOCIATED WITH COMPOST-BASED BMP APPLICATIONS

Compost storm water blankets and filter socks are extremely effective tools for managing storm water yet are often perceived as too expensive or simply difficult to install. With California mandating more organics be recycled and diverted from landfill to address Greenhouse Gas build-up in the environment, it is even more important professionals tasked with managing storm water run-off understand the different types of compost, what works and what doesn't. This workshop will cover the specifications and practical application of compost-based BMP's, where and when to use them and common mistakes made in both installation as well as understanding the specifications for maximum performance.

September 30 at 3:00 PM

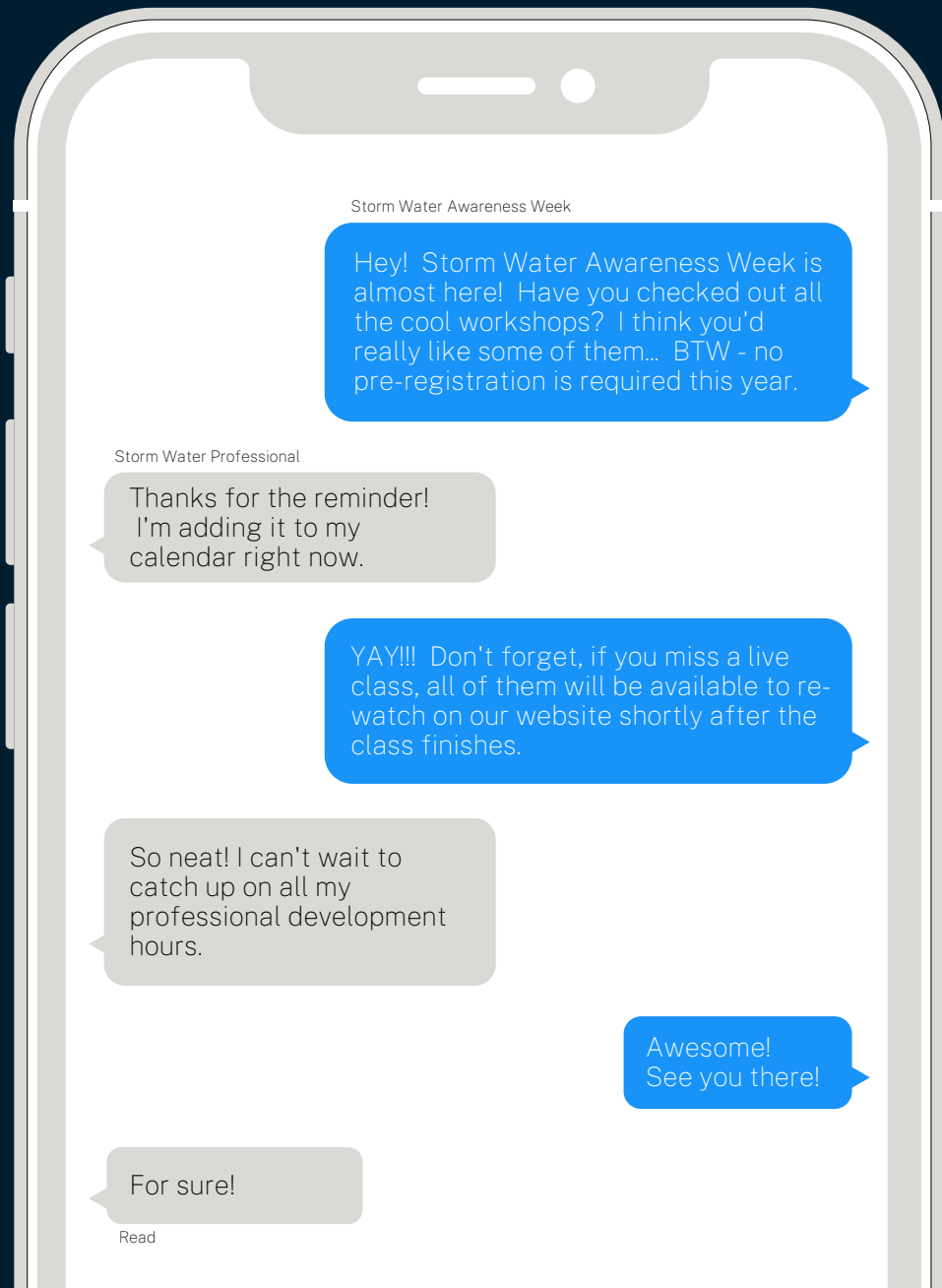
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September 27 at 12:30 PM

Friends don't let friends miss out on cool things...

www.stormwaterawareness.org



Storm Water Contest...

Each month, we invite our readers to participate in a contest to test their knowledge of the Industrial General Permit and show their storm water compliance program. We enter all submittals to our monthly newsletter question into a drawing and one person is selected at random to receive a \$25 gift card. Last month's contest question was:

We want to hear from you! What are your preferred water conservation methods? How are you incorporating water conserving practices into your work and home?

Congratulations to Gerald who answered our contest question - "I have a smartphone app that can alert Me about a water leak, and track water use bill during the month. Only use the dishwasher when you have full loads, Install faucet aerators." Gerald, we hope you enjoy your next Amazon shopping trip!

...This Month's Contest

What Storm Water Awareness Week workshop(s) did you attend during this year's event?

We need industrial storm water sleuths to help us with this month's question. Submit your answers by Friday, October 8th. Email your answer to jteravskis@wgr-sw.com. One winner will be selected by a random drawing to receive a \$25 gift card to *Amazon*.

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