



## June 2019 Newsletter



Does a little soap hurt fish, really?



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NPDES Stormwater Training Institute

A 1-inch rain event can deliver 27,154 gallons of high energy water to an acre of land, weighing 113 tons. Water volume and velocity are not pollution, but they are certainly responsible for carrying pollution into our watersheds. That said, how should we view exposed sediment when during a big down pour, it blows over the silt fence or through the back end of a detention pond running downhill as fast as it can get to that creek, river or that neighborhood detention pond.

When it comes to sediment and construction sites; projects that have one or more acres of exposed land, qualify for NPDES Permit coverage as point sources. Meaning they have to treat their stormwater by removing the sediment, and any other pollutant, before it leaves the pipe toward a state water.



How big was the construction site and what type of erosion caused this discharge to Lake Lanier? Click the Photo to find out, the answer may surprise you!



How many BMPs are in this picture, and what are they called?

Well kept and maintained records, which includes an updated stormwater pollution prevention plan (SWPPP), is the best bet for a project to avoid stop work orders, fines and paying hefty damages from third party lawsuits. In other words, it's up to the permittee to always have evidence that they are not guilty of violating their permit. It's called being able to demonstrate their "intent to comply". But for that to happen, NPDES Permittees must invest the time necessary to understand their projects as stormwater treatment systems (SWTSs) so they can effectively improve and maintain the chemical, physical and biological integrity of our nations waters, the underlying foundation of NPDES Permit

compliance. By not understanding a construction site as a SWTS, the permittee will fail to see their

responsibility for an incredibly complex passive water treatment system with strict water treatment compliance requirements, most of them non-numeric. In America, in today's world; a permittee must always be able to demonstrate their "intent to comply" with the NPDES Permit. It's not only key to America's future water quality, but also the financial health of the project itself.

At the end of the day, we need to remember that all this talk about SWPPPs and BMPs is how we continue to make America the Beautiful. NPDES compliance is nothing more than an act of common courtesy for the people and aquatic habitat downstream. Properly installing and maintaining BMPs is what makes the NPDES program the most successful water quality program to ever be implemented in the world. It is there for a good reason but it only works when people comply and enforce it properly.



What type of silt fence is this? Is it sensitive or non-sensitive?



Thank you to the construction community of people that consistently perform inspections, adjust your SWPPPs when necessary and install/maintain your BMPs. You are the fabric of what makes America the Beautiful!

**"CONSTRUCTION SITE INSPECTION GUIDE"**

*"Here's to tight lines and good times in clean abundant water!"*

*T. Luke Owen, Principal Trainer  
NPDES Stormwater Training Institute*

## EROSION & SEDIMENT CONTROL COURSES



***"Sign Up for our New Course  
"Hands On Silt Fence Installation & Maintenance! "***

*Contact us for more Information  
info@erosiontraining.com or 678-469-5120*

For the INITIAL CLASSROOM CERTIFICATION COURSE (click one of the courses below):

**[Level 1A Fundamentals \(Blue Card\) - Click Here](#)**

**[Level 1B Advanced Fundamentals \(Red Card\) - Click Here](#)**

**[Level II Introduction to Design \(Tan/Gray Card\) - Click Here](#)**

for Design Pros (Tan Card) and Plan Reviewers (Gray Card)

For RECERTIFICATION (click your preference below):

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**[For CLASSROOM Click Here](#)**

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CUSTOMIZED TO YOUR STATE REQUIREMENTS  
ACROSS THE UNITED STATES & CANADA

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**Quick Links**

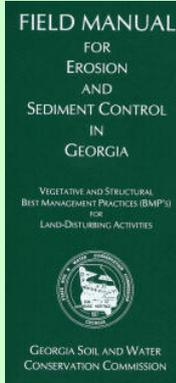
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**BUY THE NEW FIELD MANUAL**

The Most Recent  
FIELD MANUAL



**CONTRACTOR'S CORNER**

By Dr. Dirt

Volume 19 Issue 3

**Solving Erosion and Sediment Problems In The Field**

**The problem:**

What is the first BMP that people see on your site? That's right, your construction exit/entrance. No one wants your dirt on their street! If yours looks like this, you have a problem that can be prevented.



This is a common problem when you do not have a geotextile underliner beneath your materials and when the stone size is not correct.



[CLICK HERE](#) and you'll be taken to Dr. Dirt's solution to the **CONSTRUCTION EXIT** problem above, a problem shared by many contractors. **You will definitely learn a few things!**

*Dr. James Spotts is a master and well recognized leader in the erosion and sediment control industry, and that's not overstating it. His passion for helping the contractor in the field is the force behind Dr. Dirt's Contractors Corner!*

**MS4CECI Courses**



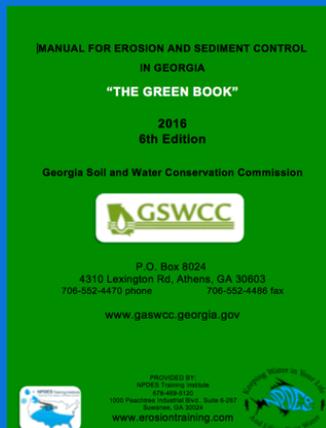
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NPDES Training Institute**

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**GREENBOOK** HERE!

AS OF JULY 1, 2016 ONLY  
THE 2016 EDITION  
GREENBOOK CAN BE USED IN  
GEORGIA.



*Hands On*

## **Field IDDE & Outfall Investigations, Construction & Industrial Site Inspections**

This course meets the MS4 NPDES Permit requirement  
for Training!

**[Click Here for MS4CECI Course Dates](#)**



**MS4CECI - WE TAKE IT TO THE FIELD!**

## **MS4CECI RECERTIFICATION COURSES**

**CLASSROOM Recertification MS4CECI**  
[CLICK HERE](#)

**ONLINE Recertification MS4CECI**  
[CLICK HERE](#)

We take pride in our **COURSE EVALUATIONS;**  
*these are just a few!*

*"I've taken a lot of classes and wasn't looking forward to another erosion class, but of all the classes I've had to take, this one was by far the most stimulating and educational yet! Thank you, your passion for America and our quality of life shines through your training!"*

*"Luke is an excellent instructor, his knowledge and experience was communicated clearly and on point with interesting facts and examples."*

*"The instructor was incredibly knowledgeable and shared his experience that really made the point. Different media in the training (video, whiteboard and slides with few words and big pictures) made a potentially boring class, fun. The NPDES Training Institute rocks!"*

*"The trainer was knowledgeable of the material, his anecdotes and teaching method of involving others was great."*

*"Excellent facility, field exercise (for watershed assessment), excellent media presentation, great lunch."*

*"The presentation was well organized with multiple uses of media & dry erase board illustrations. The Impaired Stream field visit was icing on the cake"*

*"Instructor had a great training style, I liked how he mixed it up"*

*"These guys know their stuff!"*

**"THE BEST STORMWATER CLASS I'VE EVER ATTENDED!"**

CALL RITA @

678-469-5120 for help registering!

[www.ms4training.com](http://www.ms4training.com)

**TRACK RAIN ON YOUR PHONE!**



Save money avoiding wasted trips and time spent looking up data

Easy Set-Up:

- Download App
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- Get Notified

Available on the App Store | **FREE Trial Download** Use Coupon Code: NPDES | GET IT ON Google play

Get a **BONUS** during the trial and \$10 off when you upgrade

**Building a Strong America  
One Brick and  
Creek at a Time**

## Car Washing

**"Is the runoff really that big of a deal for water quality in our watersheds?"**

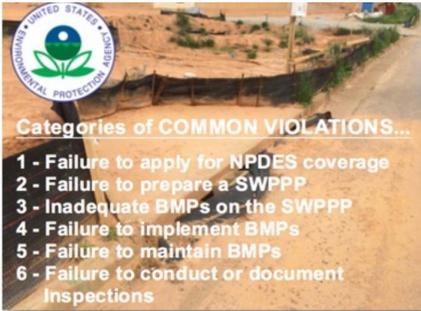


**YES**

Even "environmentally safe" soap will likely kill fish! Washing one car may not seem to be a problem, but collectively car washing activity adds up to big problems for our local lakes, creeks and streams. Pollution associated with car washing, like the soap we call a surfactant, degrades water quality while also finding its way into sediments that impact aquatic habitats. For many, car washing is a springtime ritual. Often, citizens don't know that by washing all that winter grime off their vehicles they might actually be causing harm to our local waterways.

Water entering storm drains, unlike water that enters sanitary sewers, does not undergo treatment before it is discharged into our waterways. When cars are washed on streets and driveways, that dirty water eventually winds up in rivers, streams, creeks and lakes.

[Click Here](#) for the EPA's Brochure on Car Washes  
*Please share this brochure with your family and friends. Everyone needs to think differently about our collective impact to water quality, today more than ever!*



**Research shows:**

5% will violate water quality laws *no matter what*,  
20% will comply with water quality laws *no matter what*, and

75% will comply only with effective

**Local Enforcement!**

*"Improving the Efficiency and Effectiveness of Compliance Monitoring and Enforcement of Environmental Policies"*

**Cheryl Wasserman, USEPA**

**COMPLIANCE TOOL BOX**



**NPDES Training Institute**  
 "Training That Helps It All Make Sense!"



**NPDES Permit Construction Compliance Guidance**

**Construction Inspection Forms for NPDES Permit Compliance**

**GREEN BOOK (Manual for E&SC in Georgia - New 2016)**

**FIELD MANUAL for E&SC in Georgia - New 2016**

**WHO NEEDS TO BE CERTIFIED in GEORGIA - FACT SHEET**

**Enforcement Requirements for Local Issuing Authorities**

**EPD GUIDANCE TO SWCC DISTRICTS FOR PLAN REVIEWS**

**PONDs - BUILDING or RENOVATING**

**STREAMBANK and SHORELINE Stabilization Restoration**

**PERMITTEE SCENARIOS FOR COMPLIANCE**

**GA Stormwater Management Manual (GI Guidance)**

**GA Coastal Supplement**

**FIND IMPAIRED WATERS WHERE YOU LIVE**





**NEED HELP with DUST CONTROL & SEDIMENT BASINS?**

**CALL JIM SPOTTS**

**770-216-9514**

[www.southeastenvironmentalconsultants.com](http://www.southeastenvironmentalconsultants.com)



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for **YOUR DISCOUNT**

**THIS OFFER EXPIRES on July 17, 2019**



**MORE STORMWATER CONFERENCES & TRAINING EVENTS**



[SOUTHEAST STORMWATER ASSOCIATION \(SESWA\)](#)



[INDIANA MS4 PARTNERSHIP](#)



[GEORGIA RURAL WATER ASSOCIATION](#)



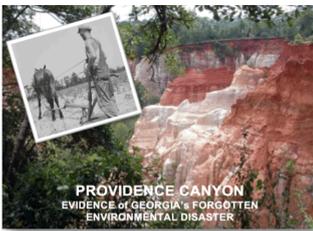
[GEORGIA ASSOCIATION OF WATER PROFESSIONALS](#)



[INTERNATIONAL EROSION CONTROL ASSOCIATION](#)

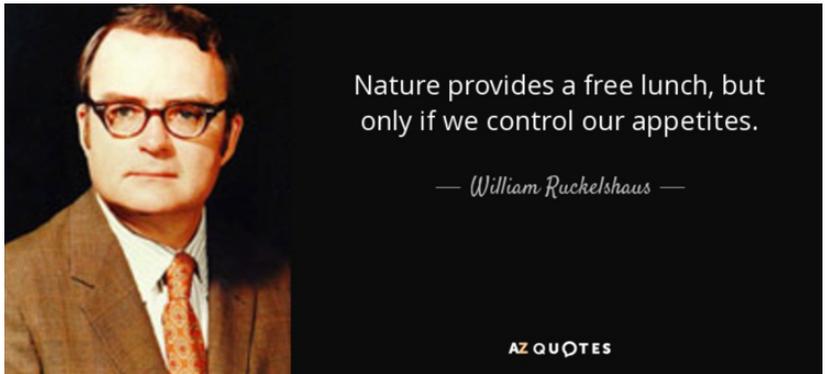


[WATER ENVIRONMENT FEDERATION](#)



Never Forget the Past, It's Our Greatest Teacher!

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*Respecting our neighbors downstream is what America is all about and it's the NPDES program that helps us do that!*

*OUR CHILDREN will be living through decisions we make today with our water . Let's be kind!*

*NPDES is an investment in our nation's future generations so they too can have an equally great place in which to live, swim, fish, boat, and hunt tomorrow!*

**Sincerely,**  
NPDES TRAINING INSTITUTE

T. Luke Owen, PG MS4CECI  
President

[www.npdestraining.com](http://www.npdestraining.com)

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