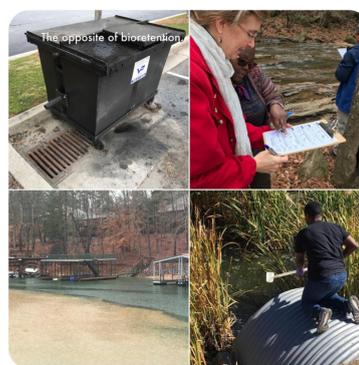


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Greetings!

There's no greater gift you can give your family, friends and the people living downstream than to do your best at keeping your stormwater discharges as clean as possible. In that effort, there is no more effective Best Management Practice (BMP) than a properly motivated and trained superintendent responsible for seeing the design, installation and maintenance of the measures necessary to protect their projects watershed when it rains. Another BMP is the public that cares enough to contact their government servants about their water quality concerns and erosion and sediment control violations when they witness an illegal discharge to their favorite creek. A loud public that complains to their elected officials to do something about illegal discharges to our fishable and swimmable watersheds is what ushered in the Clean Water Act of 1972.



Helping employees understand and appreciate their role in maintaining compliance, and providing sufficient training to anyone who works in areas vulnerable to stormwater pollutant discharges are essential, and that's



Sediment Barrier (Sd1)

Sediment barriers should also provide a slope adjacent to or other water protection features to ensure that the sediment barrier height is not eroded. The barrier should be installed at least 100 feet from the support structure.

Where all four (4) to be placed behind the sediment barrier, the maximum distance between the barrier and the support structure should not exceed 4 feet.

DESCRIPTION:
Sediment barriers are temporary structures made of a porous material. They are typically installed in a line or rows to filter sediment from runoff. They are made of straw, hay, or other porous material.

PURPOSE:
To reduce sediment runoff from a site and prevent it from entering the stormwater system. They are used to filter sediment from runoff before it enters the stormwater system.

CONSTRUCTION SPECIFICATIONS:
Sediment barriers should be installed in a line or rows to filter sediment from runoff. They should be installed in a line or rows to filter sediment from runoff. They should be installed in a line or rows to filter sediment from runoff.

Length	Minimum Slope
2 to 5	1:1
5 to 10	1:1.5
10 to 20	1:2
20 to 30	1:2.5
30 to 40	1:3
40 to 50	1:3.5
50 to 60	1:4
60 to 70	1:4.5
70 to 80	1:5
80 to 90	1:5.5
90 to 100	1:6

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TECH TALK

Tech Talk is a forum for resolving erosion and sediment control and/or construction related problems from a technical perspective. Questions are submitted by the reader; suggestions may be from the NPDES Training Institute, Southeast Environmental Consultants, LLC (SEC) or other sources. The reader

is solely responsible for the results, if suggestions are implemented.

CONTRACTOR'S CORNER

By Dr. Dirt

Volume 19 Issue 4

Solving Erosion and Sediment Problems In The Field

The problem: Curb inlet sediment traps



Inlet sediment traps are installed in front of curb inlets to trap sediment. They also create problems, such as ponding water (and sediment) on the roadway and creating a driving hazard.



This leaves the contractor in a dilemma. By addressing one problem, another is created! It is easy to see the problem; but difficult to correct!



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Level 1A - Blue Card

Level 1B - Red Card

**Level II- Tan/Grey
Card**

RE-CERTIFICATION COURSES

SEDIMENT BARRIERS 4 PDHs

Click here for a brief video discussing the importance of erosion prevention, but secondly and just as importantly, proper sediment barrier installation. Dr. Jim Spotts and I provide training on how to properly install and maintain silt fences and inlet



sediment trap devices, etc. to keep sediment from entering your watersheds.

It's worth 4 PDHs.

We hope to see you at our next class!

[Sediment Barriers - REGISTER HERE](#)

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To the trailer to check compliance status



Designing and Maintaining the SWPPP



Inspecting and maintaining perimeter control BMPs



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MS4GIT MS4 Green Infrastructure Technician

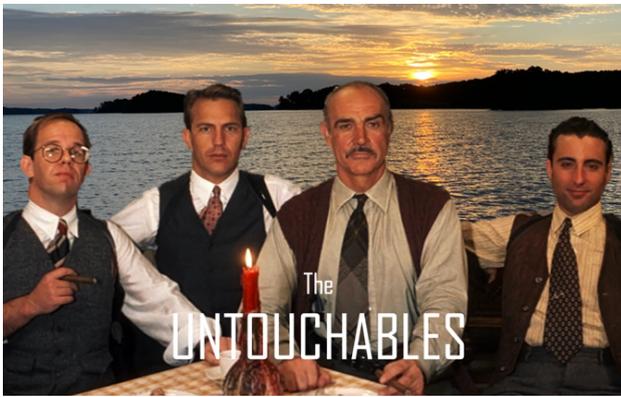
The MS4GIT Course is a 1-day training experience focusing on Green Infrastructure BMPs and their installation & maintenance. Attendees will learn how to identify and solve issues surrounding poor maintenance, as well as avoid GI failures entirely. This course was designed especially for stormwater managers, stormwater engineers and consultants, MS4 Inspectors and maintenance crews.



Upon completion, trainees will have learned to:

- Implement correct construction sequencing protocol for BMPs
- Understand how to read a BMP landscape plan
- Identify soil mixtures and calculate soil / material volumes
- Identify and select appropriate plants for BMPs
- Understand maintenance requirements of BMPs
- Identify common problems and solutions for BMPs
- Understand how to implement a landscape maintenance plan
- Evaluate plant performance and how to replace failing plants

[**CLICK HERE TO REGISTER**](#)



OPINION

There are millions of people living within America's borders that are unaware and consequently ungrateful for all the hard work that makes America the country it is today, and the swimmable and fishable rivers that goes with it. Catching fish in the *lake down the road* might seem like a simple thing to not be appreciative of, until you look at Asia, the Middle East, Indonesia, South America and other regions of our world where massive numbers of people have been stripped of their rights for clean water and the liberties that go with it.

Billions of people outside of America's borders can only dream of having a fishable and swimmable *lake down the road* to enjoy. While serving in the United States Marine Corp in the 1970's, I remember the severe water pollution in many of Asia's watersheds; pollution that still exists and is much worse today.

It's imperative that Americans today understand that America's clean surface waters are a direct result of compliance and enforcement of the Clean Water Act of 1972. NPDES Permits are responsible for our fishable and swimmable creeks, rivers and lakes in America today. Rules and regulations are meaningless if no one complies with them. The Chattahoochee and Savannah Rivers are just a couple examples of rivers that used to be so polluted that fish couldn't survive in them, but today they are a trophy for NPDES Permit compliance and enforcement. As Sean Connery said in his dying breath in *The Untouchables*, "What Are You Willing To Do?" Are you willing to fight for your quality of life so many take for granted, or will it take losing it all – including that lake down the road – before you wake up to the Cold War we are living in today? It's ultimately up to each one of us individually to lead our families and friends by example with our reaction to the pollution problems we've ignorantly allowed to get out of control in our country. So, "What Are You Willing To Do?"
T. Luke Owen, PG MS4CECI



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REVIEW PRECIP HISTORY			
< RETURN TO LOCATION VIEW			
> ON DEMAND PRECIP HISTORY			
> VIEW HISTORIC MAXIMUMS			
Time of Report	Precipitation	Last 24hr	Last Hour
2020-07-10 19:00		Processing	
2020-07-10 18:00	3.29in	0.13in	
2020-07-10 17:00	3.16in	0.34in	
2020-07-10 16:00	2.82in	0.27in	
2020-07-10 15:00	2.55in	0.07in	
2020-07-10 14:00	2.48in	0.43in	
2020-07-10 13:00	2.05in	0.85in	
2020-07-10 12:00	1.20in	0.56in	
2020-07-10 11:00	0.64in	0.29in	
2020-07-10 10:00	0.35in	0.11in	
2020-07-10 09:00	0.24in	0.10in	
2020-07-10 08:00	0.14in	0.03in	
2020-07-10 07:00	0.11in	0.02in	
2020-07-10 06:00	0.09in	0.00in	
2020-07-10 05:00	0.09in	0.04in	

Too Much Rain?

By Gene Norman, President
WaterWatch PRO

Could there be too much rain? Yes – and it's a trend we're all experiencing more frequently lately. Not only are landfalling tropical systems becoming increasingly wetter, but also, regular thunderstorms are depositing devastating deluges. Knowing about heavy rainfall events and having a plan should be a key part of your BMP.

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We Can't Give Up on Demanding NPDES Permit Compliance from Polluters! Especially When They're American Cities!

America's past water pollution and the severe modern day pollution found in some American cities, as well as countries like China and India, send a resounding message of the importance of NPDES permit compliance. What cities like [Los Angeles](#) (see right) are doing is inexcusable in America. They are willingly violating their MS4 Permit by pressure washing human excrement



and other pollutants directly down their storm drains. Los Angeles, Seattle and others are just another reminder of how important it is that we Americans demand compliance with Clean Water Act NPDES rules & regulations! Every time you go fishing or jump in the lake to take a swim, be grateful for our NPDES permitting program that makes it all possible. Respecting our neighbors downstream is what America is all about and it's compliance with NPDES Permits that helps us do that!

"We all need to view NPDES Permit compliance as an investment in our nation's future quality of life, so our children will also have an equally great place to live, swim, fish, boat and hunt tomorrow! " T. Luke Owen

Sincerely,

T. Luke Owen, PG MS4CECI

Owner/Operator - Principal Trainer



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