

# Preparing for the Storm

StormCon 2011 provides opportunities for education and certification

By *Kate Cline*

StormCon, the 10<sup>th</sup> annual North American Surface Water Quality Conference and Exposition, will bring more than 1,000 storm water professionals to Anaheim, Calif., Aug. 21 to 25.

The event provides a forum for anyone involved in storm water management, from municipal and government officials to contractors. This year's event will include sessions in seven tracks: BMP Case Studies, Green Infrastructure, Stormwater Program Management, Water Quality Monitoring, Advanced Research Topics, Erosion and Sediment Control and Industrial Stormwater Management. Storm water beginners

and veterans are welcome, with both non-technical and advanced sessions available.

This year's event also will feature "Preparing for the Rising Tide: Coastal Protection Symposium," a one-day curriculum on protecting infrastructure in coastal areas as sea levels rise. Special presentations on Aug. 24 will focus on municipal responses to rising sea levels, including regulations and technology.

With more than 150 exhibitors, the expo hall is worth a visit. Open from 4 to 7 p.m. on Aug. 22 and all day on Aug. 23 and 24, it will provide an opportunity to meet with vendors, learn about new products and network with other storm water professionals. Evening receptions

on Aug. 22 and 23 will provide further networking opportunities.

An additional feature this year will be the pre-conference certification courses and corresponding exams. Attendees will have the opportunity to earn CPSWQ, CPESC, CESSWI, CISEC and CMS4S certification with review courses on Aug. 21, followed by exams on Aug. 22. **[SWS]**

**Kate Cline is associate editor for *Storm Water Solutions*. Cline can be reached at [kcline@sngmail.com](mailto:kcline@sngmail.com) or 847.391.1007.**

**For more information, write in 810 on this issue's Reader Service Card or visit [www.estormwater.com/lm.cfm/st061110](http://www.estormwater.com/lm.cfm/st061110).**

## Storm Water Storage



This website provides a comprehensive, illustrated exploration of storm water management practices and the advantages of StormTank storm water storage modules. Topics include: Applications; Detention or Infiltration; Calculating Storage; Adaptability to Site; Comparison of Storm Water Systems; Void Space; AASHTO HS-25 Strength Testing; Footprint; Cost; Pre-treatment; Maintenance; Assembly; and Installation.

**Brentwood Industries**  
610.374.5109  
[www.brentwoodprocess.com](http://www.brentwoodprocess.com)  
Booth #533-537  
Write in 812

## Curb Inlet Filter



The ClearWater BMP storm water filter is a powerful advancement in sidewalk curb inlet filtration technology. The patent-pending, stainless steel filter train design allows storm water flows to be screened, triple settled and filtered within the confines of an existing concrete curb inlet drain box.

**Clear Water Solutions**  
800.758.8817  
[www.clearwaterbmp.com](http://www.clearwaterbmp.com)  
Booth #709  
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## Storm Water Management



The flexible and customizable UrbanGreen Stormwater Solutions can easily be integrated onto a site to meet local requirements, including low-impact development. The company's runoff reduction technologies, including the UrbanGreen BioFilter, will allow onsite storm water management to help meet water quality goals.

**Contech Construction Products Inc.**  
800.338.1122  
[www.contech-cpi.com](http://www.contech-cpi.com)  
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## Year-Round Sweeping



Dry sweeping provides environmental benefits, including a reduction in road silt that can be left as a film from water-based dust control sweepers. The Waterless Eagle broom sweeper provides sweeping in all weather and can control dust without the use of water.

*Elgin Sweeper*  
847.741.5370 • [www.elginsweeper.com](http://www.elginsweeper.com)  
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## Bioretention Technology



Filterra Bioretention Systems is now TAPE and TARP approved to meet storm water treatment needs. With more than 3,500 systems installed nationwide, users can feel confident choosing the company. Its Roofdrain system's new design treats piped-in runoff and eliminates the need for additional overflow structures.

*Filterra Bioretention Systems*  
866.349.3458 • [www.filterra.com](http://www.filterra.com)  
Booth #408 • Write in 817

## Geomembrane

The EPDM geomembrane is an integral part of RESI's EPIC storm water management system. Specified for its ease of installation, durability and reliability, the geomembrane contains storm water, allowing the EPIC system to filter out sediments, slow the flow rate and filter through the soil, avoiding runoff.



*Firestone Specialty Products*  
800.428.4442 • [www.firestonesp.com](http://www.firestonesp.com)  
Booth #507-509 • Write in 816


## Net Capture Systems

Fresh Creek Technologies Inc. is a provider of net capture systems in North America. Using no electricity, pumps or expensive structures, the systems utilize the natural flow of water to trap and contain floating trash and debris with very low headloss at peak flows.






*Fresh Creek Technologies Inc.*  
800.741.9486  
[www.freshcreek.com](http://www.freshcreek.com)  
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Eagle Bay Hardscapes, VA, MD, PA, NC  
800-564-7300

Ecologica, Carmelo, Puerto Rico  
787-251-9414

Expocrete, Alberta & Sask  
403-279-0404

Hensit Works, Freedom, IN  
812-829-6246


Low Country Pavers, SC  
866-468-3561

Nicolock, NY & CT  
631-669-0700

Muhall Materials, WA & BC  
800-477-3008

Tremron, Florida  
904-358-5900

Willamette Graystone, OR  
503-689-7612



Courtesy of Nicolock Paving Stones

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## Filtration Media



Rubberizer Filtration Media is acknowledged as an industry standard for hydrocarbon removal in storm water applications. Rubberizer sorbent is non-toxic, non-hazardous and transforms hydrocarbons into

a rubber-like solid on contact.

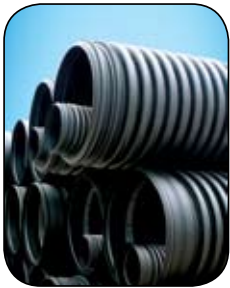
*Haz-Mat Response Technologies (ClearTec Global)*

800.542.3036

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

Booth #811 • Write in 819

## Corrugated Pipe



Eagle Corr PE (Dual Wall) is a top choice in gravity flow drainage applications. Featuring a dual-crown corrugated exterior for greater pipe stiffness values and a hydraulically smooth interior for maximum efficiency, it also boasts superior flexible conduit design. Fittings in soil-tight and watertight connections are available.

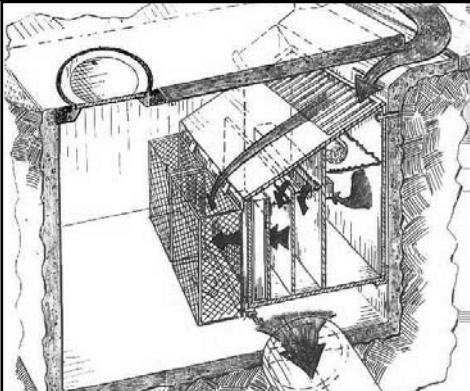
*JM Eagle Inc.*

800.621.4404 • [www.jmeagle.com](http://www.jmeagle.com)

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## STORMWATER FILTER

### Curb Inlets & Catch Basins



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- Pathogens
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#### Benefits:

- Fits Into Existing Drainage Structures
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- Non-Scouring
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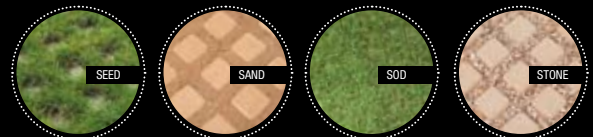
**CLEARWATER SOLUTIONS™**  
STORM DRAIN SPECIALISTS

**1-800-758-8817**

[ClearWaterBMP.com](http://ClearWaterBMP.com)

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## DRIVABLE GRASS®



Drivable Grass® offers a simple and reliable solution to **storm water management** through **bio-filtration**, **infiltration**, and **storage** while not sacrificing valuable site area. The thin-profile, permeable, and flexible concrete paving system promotes superior **root penetration** and **moisture containment** beneath the product resulting in **healthy turf**. Drivable Grass® is designed to **flex** and **conform**. It does not crack and break like rigid concrete or pop up and wear like plastic paving.



## SOIL RETENTION

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800-346-7995



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[WWW.ESTORMWATER.COM](http://WWW.ESTORMWATER.COM) • 35



## Meter

The Ultrameter II still delivers accurate dissolved solids measurements and a great degree of accuracy for pH, ORP and temperature measurements, but it has been redesigned to include an LSI/hardness calculator, free chlorine measurements and Bluetooth data transfer.

*Myron L Co.*  
760.438.2021  
[www.myronl.com](http://www.myronl.com)  
Booth #916 • Write in 821

## Media Filter

Designed for use in areas in which landscape-based treatment is not practical, the Filter-Pod is a media filter that is integrated with a subsurface water storage system. Flow capacities are set by selecting the quantity of modules and placing them within the storage system footprint.

*KriStar Enterprises Inc.*  
800.579.8819 • [www.kristar.com](http://www.kristar.com)  
Booth #813-815 • Write in 822



## Detention System



The Storm Capture Module system is a modular underground detention/retention/infiltration system for total storm water management. The modules provide maximum storage with minimum footprint, and the stand-alone structural concrete design allows installation under vehicular traffic with as little as 6 in. of cover. They are designed for ease of installation and maintenance.

*Oldcastle Precast Inc.*  
888.965.3227  
[www.oldcastleprecast.com](http://www.oldcastleprecast.com)  
Booth #628 • Write in 823

## Permeable Pavement

Drivable Grass is a permeable, flexible and plantable concrete pavement system that offers a simple and reliable solution to storm water management through biofiltration, infiltration and storage without losing valuable site area. Applications include driveways, parking, fire lanes, utility access, pathways and drainage channels



*Soil Retention*  
800.346.7995  
[www.soilretention.com](http://www.soilretention.com)  
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# Ultra-Debris Screen®

**NEW PRODUCT**

**FILTER YOUR OUTFLOW FOR LESS THAN \$200!**

Stainless steel units can cost over \$500. Keep trash and debris from leaving catch basins with the new economical, Ultra-Debris Screen.

- Heavy-duty, polyethylene housing will not rust or corrode and is much more economical than similar all stainless steel units.
- Replaceable stainless steel screen keeps trash and debris in the catch basin while allowing water to pass through.
- Also available with overflow ports.
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[www.StormwaterProducts.com](http://www.StormwaterProducts.com) ♦ 800.353.1611

Use your smart phone and QR reader to get more info on the **Ultra-Debris Screen**.



## Runoff Management & Treatment



StormTrap specializes in providing storm water solutions and products for underground management and treatment of runoff. Solutions include storm water detention and retention products, and harvesting and storm water treatment applications. Its modular designs make it possible to customize systems to meet specific project needs. The design team works with companies to create solutions.

StormTrap  
877.867.6872 • [www.stormtrap.com](http://www.stormtrap.com)  
Booth #821 • Write in 825

## Netting System



StormX is an effective end-of-pipe netting system for capture at most "hot spots." It has the strength to handle "first flush" and capture gross pollutants as small as 5 mm. Built-in overflows prevent flooding. StormX features stainless steel hubs and is offered in three configurations: weir, full pipe and half pipe. Reusable commercial grade nets are easily detached and emptied. Standard sizes range from 18 to 72 in. in diameter with custom sizes available.

Storm Water Systems Inc.  
888.730.5819  
[www.stormwatersystems.com](http://www.stormwatersystems.com)  
Booth #735-737 • Write in 826

## Why is Hank so happy?

Meet Hank. He is a local floodplain administrator.

He just finished creating a flood map for his city that realistically represents their complex urban system of pipes, inlets, open channels and culverts.

He used **xpswmm** with **xp2D** which are **FEMA approved** for NFIP Flood Modeling!

He was able to model both **hydraulics and hydrology** in an integrated 1D/2D model.

He produced excellent **floodplain maps, hazard data** and helpful animations to show **water depth, velocity and flood extents**.

Best of all, he helped his city save money, property and lives.

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## Nutrient Removal



The Suntime SkimBoss Upflow Filter removes dissolved nutrients from storm water runoff. Innovative Hydro-Variant Technology enables the filter to automatically adjust to variations in water flow, so it can be placed in line with existing pipe without risk of flooding. It is available with various types of economical and low-maintenance filtration media.

Suntime Technologies Inc.  
321.637.7552  
[www.suntretech.com](http://www.suntretech.com)  
Booth #810-812 • Write in 827

Write in 778

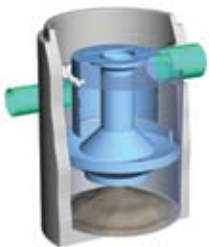
## Debris Screen



This frame and stainless steel screen unit quickly installs over a stormwater outflow, allowing storm water to pass freely through while keeping litter, leaves and other debris from escaping. The polyethylene frame makes it more economical than all-stainless-steel products.

*UltraTech Intl. Inc.*  
800.353.1611  
[www.spillcontainment.com](http://www.spillcontainment.com)  
Booth #824 • Write in 828

## Separator



The Downstream Defender is an advanced vortex separator available for the removal of sediment, oil and floatables from storm water runoff. It is proven to be efficient in a compact footprint and is the only separator with internal components proven to prevent pollutant washout.

*Hydro Intl.*  
[www.hydro-international.biz](http://www.hydro-international.biz)  
Booth #603-605 • Write in 829

## Ditch Lining



The Mega-Ditch is an expandable system of modular, overlapping and ribbed HDPE base and wall sections engineered to manage extremely large water flow applications, such as mining drainage pathways or industrial site containment systems. Adjustable sidewalls conform to a variety of slopes and grades.

*SmartDitch*  
608.742.5301 • [www.smartditch.com](http://www.smartditch.com)  
Booth #635-637 • Write in 830

## Water Sampler

Avalanche is a multi-bottle sequential/composite water sampler featuring a portable refrigeration system. Its unique design provides easy transport and quick setup. It provides up to 48 hours holding time at 3°C, saving time and money in storm water sampling, TMDL, watershed monitoring, pretreatment compliance, etc.

*Teledyne Isco*  
800.228.4373 • [www.isco.com](http://www.isco.com)  
Booth #218-220 • Write in 831



## Innovative Stormwater Management Products

*FloGard*®  
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Media Filtration Device

## Modular, Scalable Treatment of Pollutants From Runoff in Urban Landscapes



Perk Filters can be installed in existing drop inlets, installed as a catch basin system at individual inlets or as a centralized modular treatment system installed on-line or off-line. Can be used in conjunction with both the CUDO™ Modular and POD™ Water Management Systems.

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