

2021 GSWCC Virtual Erosion Control Day

SCHEDULE

March 16

8:00-8:30

Ben Ruzowicz, GSWCC Urban Program Manager, CPESC, CESSWI

Welcome-Opening Remarks

8:30-9:30

Marla Whittington, GAEPD – NE District Office

You need a permit for that, let me help you

This is a refresher course about the GEOS online system, what we have learned about the system, how it works and what you can use it for. We are also interested in emphasizing the importance of obtaining all required permits and educating you about Tertiary Permit requirements.

Marla Whittington – Licensing Technician Georgia DNR – EPD for 2.5 years, as well as 15 years' experience in stormwater permit administration, stormwater education and permit compliance education.

9:30-10:30

Vendor Zoom Rooms

ERTEC Environmental Systems, LLC
Flexamat (Motz Enterprises Inc.)
Profile Products LLC
Propex GeoSolutions
Silt Saver Inc.
Western Green

10:30-11:30

T. Luke Owen PG MS4CECI, NPDES Stormwater Training Institute

Pre-treatment approach to surface water skimmers

This presentation will explore scenarios where dewatering from the surface can be expected to work, then discuss the federal and state requirements for using surface water skimming devices and considerations for design, installation & maintenance so they can successfully operate.

T. Luke Owen - Luke is owner of the NPDES Stormwater Training Institute (NPDESTI) that began in 2005. He served in the United States Marine Corp and was honorably discharged as a sergeant in 1981. After graduating with honors from Colorado Mesa University in 1985, he began his NPDES Point Source consulting career that continues to this day. Today, Luke is proud to be a part of the community of stormwater education and training professionals that have effectively certified thousands of contractors,

consultants, regulators and design professionals in the art of protecting America's watersheds from stormwater pollution.

11:30-12:00

Katie Sponberger, GA Association of Conservation Districts

Georgia Conservation Assistance Program (GCAP)

GCAP is an urban conservation initiative led by the Georgia Association of Conservation Districts to control stormwater runoff on urban residential properties in Fulton and Cobb County.

Katie Sponberger is the Executive Director of the Georgia Association of Conservation Districts (GACD). GACD's mission is to advocate for the conservation of Georgia's natural resources by providing organization, leadership and a unified strategic direction to the Soil and Water Conservation Districts of the State.

12:00-1:00

LUNCH

1:00-2:00

Lisa Simms PE CPESC, East Coast Erosion Control

Erosion Control & Vegetation Establishment

Session will start with an introduction to RECPs (rolled erosion control products), OWTs (open weave textiles) & SRFRs (sediment retention fiber rolls). We will discuss how to specify and design consideration, successful installation methods, vegetation establishment and finish up by discussing testing methods and QC/QA.

Lisa Simms has a bachelor's degree in civil engineering from Auburn University. She is a registered Professional Engineer in the State of Georgia and a Certified Professional in Erosion & Sediment Control. Lisa serves as the Technical Sales Manager for East Coast Erosion Control and is responsible for providing technical assistance and training to SWPPP designers, implementing the East Coast Erosion Control QC/QA program and ensuring that East Coast Erosion Control provides top of the line products. Her consulting experience includes 7 years of civil site design, 2 years of geotechnical & construction materials testing and has also spent 10 years in technical sales. Lisa is a voting member of ASTM's D18 (soil & rock) & D35 (geotextiles) committees and is the Technical Chairwoman for ECTC (Erosion Control Technology Council)

2:00-3:00

Vendor Zoom Rooms

Applied Polymer Systems Inc.

Belton Industries, Inc.

Gator Guard Environmental Products, Inc.

Geo Products LLC

Georgia Association of Conservation Districts

NPDES Stormwater Training Institute

3:00-4:00

Gene Norman, WaterWatch Pro

The Business of Rain

You can't control the weather, but you need to understand the weather's impact on outdoor business operations. Water falling from the sky introduces schedule delays and can re-arrange project site dynamics altogether.

In this presentation, veteran meteorologist Gene Norman outlines these impacts along with reviewing established mitigation strategies. He also explains the challenges of proper rainfall data collection methods, new trends in rainfall patterns and illustrates new automation strategies. Attendees will come away with a better understanding of the importance of accounting for rainfall in their BMPs.

Gene is a multiple Emmy and Associated Press award-winning meteorologist with nearly 25 years of experience on television and at NASA. He's guided viewers in Atlanta, Houston, and Birmingham through some of the most dangerous weather conditions, including tornadoes, hurricanes, and ice storms.

He currently operates as a weather consultant through his company Wise Weather, LLC. In spring 2018, Wise Weather introduced the mobile app WaterWatch PRO, which uses digital NOAA data to track and report on rainfall.

4:00-5:00

Ben Ruzowicz, GSWCC

Open Discussion/Closing Remarks

March 17

8:00-8:15

Ben Ruzowicz, GSWCC Urban Program Manager, CPESC, CESSWI

Opening Remarks

8:15-9:00

Eddie Snell, Applied Polymer Systems, Inc.

Anionic Polyacrylamide Log Introductory Systems for Turbidity and Sediment Removal

Polymer flocculants and coagulants have been used extensively in mining, water, and wastewater treatment industries for over 50 years. In the past decade, they have been extensively and increasingly used in the stormwater and construction industries. Strict numeric criteria for TSS/ NTU discharges for construction, mining, and stormwater activities has created a push for more robust treatment methods. Conventional mechanical stormwater BMPs have shown limited or non-compliant capabilities to remove or reduce nutrient, colloidal clay and metal contamination from stormwater and construction site discharges. The colloidal constituents within stormwater and construction site discharges have driven design engineers to expand the scope for the use of chemical treatment systems exploring alternative options and utilizing new methods and technologies. Environmentally safe polymer technologies utilizing anionic polyacrylamide-based blends have shown significant reduction of metals, nutrients, and colloidal clays. As a greater knowledge of polymer-based technologies and their reduction capabilities has expanded on a state and federal level new chemical treatments have been introduced into varying introductory systems, some of which are cationic and carry toxic properties, and in some cases, are even ineffective. This presentation will cover anionic type polymer-based treatment systems that are safely and effectively used in construction, development, and stormwater treatment systems. These introductory systems include active treatment systems, semi-active treatment systems as well as passive treatment set ups that have shown >90% turbidity reductions.

Eddie Snell works for Applied Polymer Systems, Inc. and has over 40 years of experience working in the watershed protection, erosion, sediment control, and stormwater industries. Prior to working for Applied Polymer Systems, Inc, Eddie worked for the Walt Disney World Company and the Reedy Creek Improvement District (local government) in the environmental management and watershed programs division. He holds a four-year degree in environmental science. His passion in life is the immediate and future protection of water resources.

9:00-10:00

Jeff Hoilman PE, CPESC, CPSWQ, Propex Geosolutions

Mountain Creek Stream Bank Restoration – A Collaborative Success Story

A section of Mountain Creek near Chattanooga, TN that abuts Red Bank Elementary School was experiencing extreme erosion from flooding. If left unaddressed, the bank erosion would eventually jeopardize the structural stability and safety of the School's access road and outdoor nature classroom. The stream bank was stabilized

using a new engineered bank stabilization BMP that promoted vegetation in lieu of hard armor while improving water quality in an already impaired watershed. A collaborative team of local businesses (including Propex), non-profit organizations, school, and government agencies donated their time and resources to tackle the project. Students at Red Bank Elementary also played a part by participating in the “Stream Team”.

Jeff holds a B.S. degree in Civil Engineering from Tennessee Technological University, is a licensed professional engineer, and is Certified Professional in Erosion and Sediment Control and Stormwater Quality. Jeff spent 24 years in consulting engineering specializing in the field of stormwater and erosion control including design, permitting, construction inspection, training, and environmental compliance. Jeff currently works for Propex GeoSolutions in Chattanooga, TN to help lead Propex’s engineered earth armoring solutions for erosion control and slope stability.

10:00-11:00

Vendor Zoom Rooms



11:00-12:00

Craig Shultz, American Excelsior Company

Dam or Filter – What’s the Difference When it Comes to Sediment Control?

Today a plethora of sediment control products exist to choose from. How are they different and how are they the same? What really matters when it comes to sediment control products? This webinar will answer these questions about sediment control products.

Craig Shultz is employed by American Excelsior Company - Earth Science Division - Arlington, TX, as the Business Development Manager. Mr. Shultz graduated from the University of Kansas. He has worked on numerous E&S control projects and has experience with rolled erosion controls blankets, Turf Reinforcement Mats, hydraulic mulches, Alternative Daily Landfill Cover and other erosion and sediment control products. He is an active member of ASTM where he serves as the Chairman of Task Group D18.25.08 (Sediment Control). Mr. Shultz participates in the Erosion Control Technology Council (ECTC). In addition, Mr. Shultz is an industry member on the National Transportation Product Evaluation Program (NTPEP) Technical Committee on Erosion Control Products and Sediment Retention Devices.

12:00-1:00

LUNCH

1:00-1:30

Awards presentation - Ben Ruzowicz, GSWCC

1:30-2:30

Vendor Zoom Rooms

AIRE Environmental
American Excelsior Co.
East Coast Erosion Control
Foundation Geotextiles, LLC
IECA – Southeast Chapter
Triangular Silt Dikes Co. Inc.

2:30-3:30

**AJ McAllister with Jed Hewitt and Jessica Jones, GAEPD
– NE District Office**

BMP Malpractice vs BMP Manual

EPD will use PowerPoint to visually recognize most common errors with most common BMPs in the field and navigate the audience back to Green Book instructions.

AJ McAllister studied Geology at UGA and has been a GAEPD family member since 1999. She is zealous about our outdoor resources and chocolate.

Jessica Jones studied Geography at Georgia Southern University, Jessica has worked with the EPD since July 2017. She is committed to environmental education, hoping that her work in regulation and enforcement helps to ensure safe drinking water for everyone.

Jed Hewitt studied Natural Resource Management from Clemson University and recently moved to Athens from Brunswick. He has been with EPD over two years. He recently served on the EPD Emergency Response Team and now works with the district drinking water and stormwater programs.

3:30-4:30

Ben Ruzowicz, GSWCC

Open Discussion/Closing Remarks