

Tentative Program

Tuesday, March 7, 2017

- 11:00am** **Trade Show Set Up**
- 12:00pm** **Registration / Trade Show / Refreshments / Lunch on Own**
- 1:00pm-1:30pm** **Introduction and Welcome / Opening Session**
Common Errors & Challenges Found in SWPPP Design*
Brenda VanCleave, PE, Engineer, ms consultants, inc.
Mary Sharrett, PE, President, Stone Environmental Engineering & Science Inc.
This session will cover some of the common errors found in the review of SWPPPs and the management of changes during construction. With experience from the Portsmouth Bypass and a private park improvement project, we will also touch on some of the challenges involved in storm water management for large scale projects.
- 1:30pm-2:00pm** **Methodologies to Determine Storm Water Fees Using GIS***
Jeremy Jurick, GIT Technical Manager, Michael Baker International
As storm water fees become an increasingly popular funding mechanism for municipalities across the nation, it is imperative to calculate Equivalent Residential Units (ERUs) based on accurate information. Two case studies using GIS software will be discussed depicting different methodologies to answer “how much impervious surface exists in my jurisdiction?”
- 2:00pm-2:50pm** **Floodplain Coordination, H&H Analysis, and Environmental Clearance for a Proposed Bridge over the National and State Scenic River, Big Darby Creek, in Franklin County, Ohio***
Jamie Bumgarner, PE, Vice President, Mead & Hunt, Inc.
Chantil Milam, Sr. Environmental Scientist/Project Manager, Lawhon and Associates, Inc.
The first part of this presentation will provide an overview of the floodplain coordination and hydraulic modeling process for a proposed I-71 Bridge spanning Big Darby Creek. Since the project falls within FEMA’s Special Flood Hazard Area Zone AE, H&H calculations were required to provide documentation that the proposed bridge will not increase 100-year (1% annual chance) flood elevations. The environmental process for an interstate improvement project is just that, a process. The FRA-71-0.00 project requires a new bridge to be constructed over Big Darby Creek, a State and National Scenic River. The second part of this presentation will outline the environmental clearance process for the project which is focused around this important ecological resource.
- 2:50pm-3:15pm** **Trade Show Refreshment Break**
- 3:15pm-3:45pm** **One Water: We Are All In It Together***
Sarah Hippensteel Hall, PhD, Miami Conservancy District
MCD helps solve water challenges in southwest Ohio by working with communities to provide flood protection, preserve water resources, and promote enjoyment of waterways. Recent programs include nutrient trading, private well safety, and destination marketing. However, water work is complex and includes environmental, social, bureaucratic, and financial challenges.

**Sessions indicated with an asterisk (*) have been recommended for CPD credit for a maximum of 7.0 CPD hours. Please note that the final determination of what qualifies for CPD credit ultimately lies between the license holder and the State Board of Registration for Professional Engineers & Surveyors.*

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3:45pm-4:35pm

Mitigating Downstream Erosion – the Role of $Q_{critical}$ *

Bob Hawley, PhD, PE, Principal Scientist, Sustainable Streams LLC & Part-time Instructor, the University of Kentucky

This presentation will show how the critical flow for streambed erosion ($Q_{critical}$) can be incorporated into storm water management to better protect receiving streams from excess erosion.

4:35pm

Trade Show Reception

Visit our exhibitors and network with your counterparts. Refreshments will be served.

Wednesday, March 8, 2017

7:30am

Continental Breakfast

8:30am-9:00am

Traversing Storm Water Treatment Technologies – Which Do I Choose?*

Samantha Brown, Regional Regulatory Manager – Storm Water, Contech Engineered Solutions

As storm water quality regulations continue to evolve, so do technologies utilized for treatment. Storm water regulations vary from municipality to municipality, and treatment methods that may be accepted in one may not be accepted in another. Runoff reduction, hydrodynamic separation, and filtration....what do they mean, and where are they accepted? This presentation will review the basic principles of multiple types of treatment technologies and where they are applicable.

9:00am-9:30am

Clean Hard Fill Dump Sites*

Lynette Hablitzel, Storm Water Coordinator, Division of Surface Water, Ohio EPA

Aaron Shears, Supervisor, Ohio EPA Central Office, Division of Materials & Waste Management – Construction & Demolition Debris Unit

Is it a dump or the foundation to better things? Watch Ohio EPA's Division of Materials and Waste Management and NPDES Storm Water Program discuss their roles and the requirements for sites using Clean Hard Fill.

9:30am-10:00am

Storm Water Professional Certifications through EnviroCert*

Beth Seibert, CPMSM, CPESC, CESSWI, Storm Water and Watershed Programs Coordinator, Allen Soil and Water Conservation District

EnviroCert International Inc. (ECI) is a national leader in the storm water certification industry. EnviroCert was established to provide guidelines for the practice of Storm Water Quality (CPSWQ) Erosion and Sediment Control (CPESC), Municipal Storm Water Management (CPMSM), Storm Water Inspections (CESSWI), and Industrial Storm Water Management (CPISM). This presentation will overview the different professional programs, as well as application, testing and maintaining certifications.

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10:00am-10:50am Protecting Your Infrastructure from Stream Erosion*

Kristen Risch, Principal/Owner, Coldwater Consulting, LLC

Jim Turner, PE, Senior Water Resources Engineer, Coldwater Consulting, LLC

Stream channels tend to migrate over time and in many instances this migration or erosion can threaten existing infrastructure. Protecting infrastructure assets such as roads, bridges, pipelines, and buildings from stream erosion can be challenging. This presentation will focus on project examples including design concepts, cost estimates, and funding resources.

11:00am-11:50am Andersons Headquarters: Bioretention Solutions*

Bob W. Bailey, PE, Senior Civil Engineer, DGL Consulting Engineers

Lynette Hablitzel, Storm Water Coordinator, Division of Surface Water, Ohio EPA

Tackling challenges: low-gradient site, neighbor concerns, Ohio-EPA requirements and customer vision, DGL developed a plan minimizing use of alternative BMPs for the Headquarters. Twelve bioretention cells were installed, a scale not previously experienced in northwest Ohio. An in-depth look at State/Local requirements, system design, interconnectivity, and construction will be presented.

11:50am Closing Remarks

Neil Tunison, PE, PS, Warren County Engineer, Committee Co-Chair

Jim Gills, PE, PS, Lake County Engineer, Committee Co-Chair

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