

FALL WORKSHOP

ADVANCED MS4
IMPLEMENTATION
WETLANDS &
STORMWATER



NOVEMBER 3, 2016

LAKE COUNTY FAIRGROUNDS | CROWN POINT, IN



SPEAKERS & ABSTRACTS

Paul Leffler | Project Manager, USACE Chicago District

Title: "Wetland Permits, SESC, & You"

Abstract: Wetlands are important and impacts to these areas require permits from the Army Corps. We will discuss the permit process and requirements related to soil erosion and sediment control. There is a great opportunity to improve water quality in Northwest Indiana through the effective implementation of the MS4 programs and Army Corps wetlands program.

Bio: Paul Leffler is a project manager in the Regulatory Branch of the Chicago District Army Corps of Engineers. He has enforced Section 404 of the Clean Water Act with them for 15 years. He graduated from University of Illinois in Champaign with a Bachelor's Degree in Environmental Studies and received a Master's Degree in Urban Planning from the University of Illinois at Chicago. Currently he works in Lake County, Indiana on projects ranging from large scale transportation projects to small scale single family proposals. Paul believes wetlands are important and the Grand Calumet River clean-up project is the most important in the entire Great Lakes Region.

Douglas Wolf, CPESC | Storm Water Specialist, IDEM

Title: "Key Elements of Construction Site Storm Water Pollution Prevention Plans"

Abstract: Plan development and plan review are an integral part of storm water quality management and part of the first line of defense for a construction project for protection of water resources and adjacent properties and avoidance of regulatory actions and delays. The focus of this presentation will be on five (5) key items: recognition of water resource concerns, delineation of construction/disturbance limits, construction sequences, concentrated flow sediment control measures, and proper implementation of run-off controls.

Bio: Doug Wolf is a Certified Professional in Erosion and Sediment Control (CPESC) and has 24 years of experience in storm water regulation with the Indiana Department of Natural Resources (IDNR) Division of Soil Conservation and the Indiana Department of Environmental Management (IDEM) Office of Water Quality. As a Storm Water Specialist with IDEM, he covers a 15 county area of the northwest part of the state concerning storm water regulation.

Donovan Wilczynski | Erosion Control Specialist, INDOT

Title: "Recent Changes to INDOT's Storm Water Management"

Abstract: INDOT has been working to improve its commitment to minimizing potential impacts from construction projects in a number of ways. As well as hiring additional staff, a number of new policy changes have been made including, but not limited to; a tiered system for classifying sites based upon potential impacts, class and certification requirements for contractor's storm water inspectors, added pay items for inspections and storm water quality control plans, a separate budget for erosion control items, and a pilot program for a goal based view of soil and the plant growth layer.

Bio: Donovan Wilczynski graduated from Ball State University with a Bachelor's of Science in Geology. He then worked out of Avon, Indiana for a small environmental consulting firm for three and a half years doing everything from phase I and phase II investigations to industrial hygiene. Afterwards, worked in North Dakota drilling lateral wells in the Bakken Formation for 5 years before starting with INDOT in August of 2015 as the first full-time Erosion Control Specialist out of the LaPorte District.

Sarah Wright | Environmental Specialist, Christopher B. Burke Engineering

Title: "Mitigation Success through Adaptive Management"

Abstract: There is no such thing as a "perfect" mitigation site. Experience has shown us that site conditions, difficult soils, invasive species, animal predation, and other unanticipated factors can alter the expected outcome of a mitigation site. This presentation will discuss how, through adaptive management, mitigation areas can still meet established success criteria and acreage requirements. Close coordination with the regulatory agencies during this process is crucial in making sure that adaptive measures meet permit conditions. Several project examples of how adaptive management has been incorporated into challenging projects will be discussed.

Bio: Sarah Wright graduated from Indiana University with a Bachelor's of Science in Biology. She is a Certified Arborist, Registered Pesticide Applicator, is ISA Tree Risk Assessment Qualified, and has a National Environmental Policy Act Certification. Sarah coordinates and completes wetland and natural area assessments and delineations, as well as mitigation design and monitoring and has successfully permitted impacts to and mitigation of the Waters of the United States for numerous projects.

Ryan Alltop, CPESC, CESSWI | Construction Division Manager, ENCAP, Inc.
Mary Atkins | Vice President/Environmental Service Group Head, Wessler Engineering

Title: "Improving Your MS4 Construction Inspection Program"

Abstract: Your MS4 program has been in place for well over 10 years. Your construction program is compliant with the minimum control measures, but it's a constant challenge to keep up with inspections and contractors that don't implement their SWPPP plans. This presentation will discuss things you can do to improve on inspections, enforcement and contractor compliance.

Bio: Ryan Alltop is the Construction Division Manager, Estimator, and Corporate Safety Officer for ENCAP, Inc. Ryan has completed a Bachelors of Science in Biology from Grand Valley State University, Allendale, Michigan. Ryan has been with ENCAP, Inc. since 2007 and currently designs storm water pollution prevention plans, coordinates and manages installation projects, performs NPDES inspections, estimates projects, and coordinates the company safety program.

Mary Atkins has 16 years of experience working in the field of environmental engineering and environmental regulation. Mary is Vice President of Wessler Engineering, Inc. and manages Wessler's Environmental Services Group. She is a graduate of Purdue University with bachelor's degrees in Environmental Engineering and Forestry and Natural Resources. Her expertise is in the following areas: stormwater quality regulations and management of MS4 permitting programs; stormwater pollution prevention planning (SWPPP); wellhead protection (WHP) planning; erosion and sediment control planning and permitting; State and Federal water quality permitting; stormwater drainage and water quality design; and environmental impact evaluations.

Staci Goodwin | MS4 Coordinator, IDEM

Title: "Instream Water Quality Monitoring"

Abstract: Watershed and Stormwater Management Assessments require in stream water quality monitoring in order to properly assess the cumulative effects of a watershed restoration or the effectiveness of stormwater management practices for stream channel protection. We will discuss the process and factors in TMDL monitoring, review the basics of chemical monitoring as required for MS4 permit, and interpret data and indicators taken from stream samples.

Bio: Staci Goodwin is currently the MS4 Coordinator for the Indiana Department of Environmental Management (IDEM) and has been with IDEM for over 20 years. Throughout her extensive professional experience, she has been involved in every aspect relating to statewide TMDL issues, working directly with the EPA, municipalities, and other agencies to develop and implement TMDL programs. In addition, she has extensive experience with water quality monitoring, including sample collection, design, and data interpretation.

Reggie Korthals | Stormwater Specialist, Butler, Fairman & Seufert, Inc.
Matt Lake, MS, CPMSM | Executive Director, Merrillville Stormwater Utility

Title: "Local Ordinance Updates, GI Information and Maintenance"

Abstract: The current Rule 13 requirements for infrastructure mapping to ensure compliance will be presented and lead into discussion on expansion to consider additional GIS attributes as it relates to Post-construction BMPs, Infrastructure & Outfall characterization/monitoring. This session will also include open discussion of HOA-owned detention facilities and local ordinance requirements.

Bio: Reggie Korthals is the new Storm Water Specialist in the Water Resources Division at Butler Fairman & Seufert in Indiana. She has spent over nine years with the Indiana Department of Environmental Management (IDEM) in the Office of Water Quality as the program coordinator for Indiana's Municipal Separate Storm Sewer System (MS4) Rule 13 Permit Program working with Indiana communities on compliance, technical assistance, and implementation. With thirty years of experience working in environmental policy, regional planning, and education, she is a nationally recognized presenter on water resource protection, regional planning, air quality protection and environmental policy. She has presented to the National Association of Regional Councils, Federal Highway Administration, United States Environmental Protection Agency, American Planning Association, National Association of Public Administrators, The Council of State Governments, and many local and regional organizations. Reggie is the recipient of the Indiana Quality of Life Council Award for outstanding contributions to environmental protection in Indiana. She holds a Masters of Public Administration and Environmental Law & Policy from the SPEA School at Indiana University, and undergraduate degrees from Purdue University and Kent State University.

Matt Lake is the Executive Director of the Merrillville Stormwater Utility where he manages their municipal stormwater program. Previously, Mr. Lake provided professional stormwater consulting services with Christopher B. Burke Engineering for six years in the Water Resources Division as a Resource Planner. Prior to joining Christopher B. Burke Engineering, Mr. Lake held a senior level position with the Division of Soil Conservation as a Statewide Programs Coordinator. Mr. Lake received his Bachelor of Science Degree from Michigan State University and a Master of Science Degree in Environmental Biology from Governor's State University where he also received their Environmental Science Research Award. Most recently, Matt received the INAFSM Excellence in Stormwater Management Award in 2012 as well as the Governor's Award for Environmental Excellence in 2015. Mr. Lake has published scientific research including:

- "Seed Bank Ecology of Butterfield Creek Watershed Along Old Plank Road Trail" Transactions of the Illinois State Academy of Science Vol 93, Number 4 2000
- "Monitoring Urban Forests in Indiana: Pilot Study 2002, Part 1 analysis of Field Methods and Data Collection" U.S. Forest Service NA-FR-06-06, December 2006

AGENDA

PROGRAM HIGHLIGHTS

- IDEM, USACE, INDOT Wetlands and Stormwater Permitting
- Self Monitoring of Stormwater Projects, Inspections, Implementation on the Ground
- Long Term Monitoring/Maintenance of Wetlands Projects, Long-Term Monitoring of MS4 Stream Projects for Water Quality, Local Ordinance Updates, Fees, Funding, etc for Long Term Management of Projects

EVENT SCHEDULE

8:00 - 9:00 AM - Registration, Continental Breakfast, Networking

9:00 - 10:00 AM - Morning Session #1

- IDEM- State Advanced Wetlands Permitting
- USACE Chicago District - Federal Advanced Wetlands Permitting (Paul Leffler)

10:00 - 10:30 AM - Break

10:30 - 11:30 AM - Morning Session #2

- IDEM - Advanced Stormwater Permitting, Municipal, Regulations (Doug Wolf)
- INDOT - Stormwater Permitting Updates, Updates to the Program (Donovan Wilczynski)

11:30 AM - 1:00 PM - Lunch & Sponsor Presentations

1:00 - 2:00 PM - Afternoon Session #1

- Contractor Panel - Improving Your MS4 Construction Inspection Program - Wessler Engineering (Mary Atkins) & ENCAP, Inc. (Ryan Alltop)

2:00 - 2:15 PM - Break

2:15 - 3:45 PM - Afternoon Session #2:

- CBBEL - Mitigation Success Through Adaptive Management (Sarah Wright)
- IDEM - New Stormwater Quality In-Stream Monitoring for MS4's (Staci Goodwin)
- BF&S & Town of Merrillville - Local Ordinance Updates, GI Information and Maintenance (Reggie Korthals & Matt Lake)

3:45 - 4:00 PM - Wrap Up, Surveys, Certificates, Thank You's

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