Collection Systems 2016 Conference

Collections Down South – Go With the Flow

May 1-4, 2016
Atlanta, Georgia

This conference is held by the Water Environment Federation in cooperation with the Georgia Association Water Professionals (GAWP) and the National Association of Sewer Service Companies (NASSCO).
More information on this featured Opening General Session will become available in the coming weeks.
Session 1: Infiltration and Inflow

Monday, May 2, 2016
10:45 AM – 11:45 AM

01A 10:45 AM  Rapid Partitioning of Sewer System Infiltration and Inflow
Zachary Eichenwald, CDM Smith; Mitch Heineman; Ajay Prasad; Cindy Huang; Scott Craig

01B 11:15 AM  Long Term Infiltration/Inflow Control and Management: A Case Study from Monroe County, New York
David A. Barnes, CDM Smith

11:45 AM  Session Adjourned

Alternate
An Innovative Way to Detect and Quantify Combined Sewer Overflows in Tidal or Free Discharge Conditions
Patrick L. Stevens, Idex Corp; Michael Armes
Featured Mobile Session

Monday, May 2, 2016
10:45 AM – 11:45 AM

This featured mobile session will take place on the exhibit floor and will highlight equipment and technologies from conference exhibitors.

More details will be provided shortly
Session 2: Invited Local Session

Monday, May 2, 2016
1:30 PM - 4:45 PM

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Session 3: Modeling

Monday, May 2, 2016
1:30 PM - 4:45 PM

03A 1:30 PM Hydrologic and Hydraulic Modeling Methods Developed for Philadelphia's Long-Term CSO Control Program - Green City, Clean Waters
Gary Martens, Rajesh Rajan, CDM Smith; Julie Midgette, Philadelphia Water Department; Henry Fan, Dwayne Myers, CDM Smith

03B 2:00 PM Using Neural Networks for Advanced Data Analytics and Operational Improvements
Luis Montestruque, Melissa Davidson, Missy Gatterdam, Biju George, Ali Partovi

03C 2:30 PM Inflow and Infiltration Analysis Innovations - Evaluating Actual Reduction Of Rainfall Derived Inflow and Infiltration Using Control Basin and Hydraulic Modeling Methods
William A. Barrack II, John Paul Travis, James Shelton, Eric Harold

3:00 PM Networking Break

03D 3:45 PM Dynamic Modeling of the City of Atlanta's South River Water Reclamation Center Linked with Collection System
Rasheed Ahmad, Giny Jacob, Alberto Bechara, Steve Bupp, Tim O'Brien, Ann Blissit

03E 4:15 PM Multi-scale Collection System Performance Assessment using the Hampton Roads Regional Hydraulic Model
Michael Morgan, Phillip Hubbard, Robert Martz, Charles Moore, Matthias Wittenberg, Benjamin Sherman

4:45 PM Session Adjourns

Alternate 1
A Middle Way to Major Storage Facility Design Using Long Term Continuous Simulation
Jeff Shiner, Todd Williams,
Session 4: Rehab

Monday, May 2, 2016
1:30 PM - 4:45 PM

04A 1:30 PM  Alternative Project Deliver for Sewer Collections Systems - Developing and Implementing the Sullivan’s Island Turnkey Sewer Rehab Construction Program
James Shelton ; Greg Gress

04B 2:00 PM  DeKalb County’s Department of Watershed Management Leverages Technological Tools to Enhance Delivery of Its CMOM Condition Assessment and Rehabilitation Activities
LaCresha Johnson, Darren Eastall, DeKalb County Department of Watershed Management; Reggie Rowe; Andy Rankin, R2T

04C 2:30 PM  The Power of Robust Relationships: Easement Acquisition in the Backyards of Dallas Wealthiest
Thomas Harris; Joselito Felipe; James Ryan

3:00 PM  Networking Break

04D 3:45 PM  Flexible Approach to Repair Aging Infrastructure: How Steubenville, Ohio Was Able to Stretch its Dollar for Pipeline Rehabilitation
Michael Dupont, MWH Global

04E 4:15 PM  When Engineers, Contractors, And Manufacturers Collaborate – Improvements In Chemical Grouting Practices From The Sullivan Island Construction Management At Risk Project
James Shelton; Emily Sadowsky; Don Rigby; Marc Arcitil; Pete Fleetwood; Jon Peigler; James Brown ; Jason Hemphill ; Wes Hepler

4:45 PM  Session Adjourns

Alternate 1  Not Enough Space, Now What?- Rehabilitation Of The 65 Mgd Krause Pumping Station in Downtown Tampa
Freddy Betancourt

Alternate 2  Implementing a Proactive Asset Renewal Program Through the Use of a Time and Materials Contract
Kyle Boyle
Session 5: Integrated/ Master Plan

Tuesday, May 3, 2016
8:30 AM - 11:45 AM

05A 8:30 AM  Northeast Ohio Regional Sewer District Approach to Clean Water Act Integrated Planning
Imad Salim, Wade Trim Associates; Devona Marshall, Northeast Ohio Regional Sewer District; Andrea Remias, Northeast Ohio Regional Sewer District; Anthony Igwe, Wade Trim Associates; Joe Pavlick, Water Resources and Coastal Engineering

05B 9:00 AM  Reframing Impact to Opportunity: Adapting Collection System Infrastructure for High-Density Strategic Growth
Martin Malone; Andrew Kubek

05C 9:30 AM  Estimating And Minimizing Both CSO And WRRF Discharge Impact By Water Quality Based Control
Sovanna Tik, Université Laval; Thibaud Maruéjouls, Suez Environnement; Paul Lessard, Université Laval; Peter Vanrolleghem, Université Laval

10:00 AM  Networking Break

05D 10:45 AM  Using An Integrated Modeling Approach to Better Understand Wet Weather Dynamics And Deliver Environmental Outcomes at Least Cost.
Elliot Gill, CH2M; Per Henrik Nielsen, VCS Denmark; Susan Moisio, CH2M; Lorenzo Benedetti, Waterways

05E 11:15 AM  When You Fail to Plan, You Plan to Fail: Workforce Planning for Public Utilities
Rich McGillis, SD1 of Northern Kentucky;ames Turner, Coldwater Consulting LLC.

11:45 AM  Session Adjourns

Alternate 1  Consent Decree Modification Requires Investment in Solid Data and Modeling
Shannon Conway; Douglas Reichlin

Alternate 2  Re-Planning the Plan - A New Master Planning Approach for Capital Savings
Christopher Ranck, ARCADIS; Bill Grout, Citizens Energy Group; Aaron Goslee, MS Consultants
Session 6: Combined Sewer Overflows

Tuesday, May 3, 2016
8:30 AM - 11:45 AM

06A  8:30 AM  Hydraulic Design for the South Hartford Conveyance and Storage Tunnel
      Kate Mignone; Gregory Heath; Scott Craig; Ames Sullivan,

06B  9:00 AM  The Need for Speed: Design Build Delivery of the Media Lot CSO Storage
      Vault
      Steve Bupp

06C  9:30 AM  The Southeast Atlanta Green Infrastructure Initiative
      Ann Blissit

06D  10:45 AM  Compliance Strategies for Your CSO Long-term Control Program: A Case
      Study of the Citizens Energy Group (Indianapolis, IN) Approach
      Olivia Hawbaker; Rebecca Schaefer

06E  11:15 AM  Northeast Ohio Regional Sewer District (NEORSD) Combined Sewer
      Overflow Control/Project Clean Lake Advanced Facilities Planning (AFP) -
      Optimize Before Design
      Kevin Vander Tuig

11:45 AM  Session Adjourns

Alternate 1  Southwestern Parkway CSO Storage Basin: Designing a 20 MG
            Underground Storage Basin in a Historic Olmsted Park
            Katie Nolan

Alternate 2  Green Infrastructure Reduces CSO Flows and Saves Money
            Rick Besancon; Ned Tramp
Session 7: Asset Management

Tuesday, May 3, 2016
8:30 AM - 11:45 AM

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<th>Time</th>
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<th>Speaker(s)</th>
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<td>07A</td>
<td>Addressing Problematic Sewer Laterals In The City Of Baltimore: Program</td>
<td>Diego Calderon ; Madeleine Driscoll</td>
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<td>Implementation, Challenges, And Initial Findings</td>
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<td>07B</td>
<td>Building an Asset Inventory Using Mobile Scanning Technology in Sylvan Lake</td>
<td>Keith McCormack, Hubbell Roth &amp; Clark Inc.</td>
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<td>Michigan</td>
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<td>07C</td>
<td>Inspecting Large Diameter Sanitary Sewers: Challenges and Successes</td>
<td>Richard Underhill</td>
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<td>07D</td>
<td>Incorporating Forensic Evaluation Into Asset Management Of Forcemains</td>
<td>Bryon Livingston</td>
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<td>07E</td>
<td>The New Normal: More Contract Services for the Maintenance and</td>
<td>Hal Balthrop</td>
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<td>Management of the Sewer Collection System in Nashville</td>
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<td>11:45</td>
<td>Session Adjourns</td>
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Alternate 1

Determining the Best Approaches and Field Tools for Pressure Pipe Condition Assessment
Celine Hyer

Alternate 2

Our 20-mile Long Sewer Stinks. Why Isn't There A Panacea For The Fix?
Mark Smith
Session 8: Sulfides & Odor

Tuesday, May 3, 2015
1:30 PM - 3:00 PM

08A 1:30 PM  An Odor Analysis For a Deep Tunnel Ventilation Issue
Philip Wolstenholme, Rachel Revis, Brown and Caldwell; Rob Bocarro, Magloire Akpo-Sanni, City of Atlanta

08B 2:00 PM  The Cloevis Biofilm Removal Technology for Collection System Sulfide Control: Results from Early US Commercial Applications
Lam Nguyen; Vince Marano

08C 2:30 PM  Controlling Force Main Gas Emissions Including Methane and Hydrogen Sulfide: Modeling Gas Generation, Emissions and Control Strategies for a Wastewater Force Main Network
Chris Easter Greeley and Hansen; Matthew Ward, CH2M; Matt Poe, Charles Bott, Hampton Roads Sanitation District

3:00 PM  Session Adjourns

Alternate  Forced-air Ventilation For Sanitary Sewer Odor Control: What's My Zone Of Influence Going To Be?
Mark Smith
Session 9: Metering

Tuesday, May 3, 2016
1:30 PM - 3:00 PM

9A  1:30 PM  SSO PREVENTION Using an Advanced Alert System
      Christopher Parrish

9B  2:00PM  One Little Paragraph...One Complicated Program: Monitoring Flows from a
      Separate Sanitary Sewer System to a Combined Sewer System
      Angela Martin

9C  2:30PM  Two-Stage Mini-Basin Metering Quickly Isolates Sources of RDII in Bear
      Brook
      Patrick Stevens ; Howard Carter

3:00PM  Session Adjourns

Alternate  The Influence of Record Rains on Sanitary Sewer Collection Systems
      Elizabeth Aguin, RJN Group Inc.; Margaret Fryer
Session 10: Trenchless Technology

Tuesday, May 3, 2016
1:30 PM – 3:00 PM

10A 1:30 PM  Dense Urban Area Sewer Replacement - A Jack and Bore Success Story
          Neepa Shah, Greeley and Hansen

10B 2:00 PM  Fully Structural Renewal of 39-inch PCCP Water Transmission Main with
             Swagelining and HDPE
             Todd Grafenauer; Tom Hayes

10C 2:30 PM  Managing Risk for Trenchless Construction of Water & Wastewater
             Infrastructure: A Scalable Approach to Risk Management of the Trenchless
             Project
             Joshua Farmer, Hazen and Sawyer

3:00 PM  Session Adjourns

Alternate  A Revolutionary City’s Multi-Faceted Emergency Repair Under the
           Governor’s Avenue
           Jonathan Kunay, CDM Smith; Nicholas Rystrom, City of Revere
Session 11: Sanitary Sewer Overflow

Wednesday, May 4, 2016
8:30 AM – 11:45AM

11A  8:30AM  Tell Me Don't Sell Me: Creating Meaningful Community Outreach for Your Wet Weather Program
Terry Cole

11B  9:00AM  Protecting the Florida Keys with a Hybrid Collection System Using An Alternative Project Delivery Method
Daniel Burden; Gregg Tindle, Islamorada, Village of Islands; David Mullen, Wade Trim Inc.

11C  9:30AM  Miami-Dade's Root Cause Analysis Reduces SSO's
Jane McLamarrah; Rod Lovette, Juan Bedoya, Eduardo Baez, Miami-Dade Water & Sewer Department

10:00 AM  Networking Break

11D  10:15AM  Reedy Creek, The Project Unique
Anthony Crist, Gresham Smith and Partners

11E  10:45AM  Creating a Sustainable Utility - A Glimpse Into MDWASD’s CMOM Program
Juan Bedoya; William Sukenik

11F  11:15AM  Impact of Collaboratively Developed Voluntary Consent Agreement in Reducing SSO's: Georgia's Ten Year Experience
Mary Beth Jacques, CH2M; Ernest Earn, Cobb County Water System; Heather Veal, Macon Water Authority; Srinivas Jalla, CH2M

11:45AM  Conference Adjourns

Alternate 1  Springfield, TN: In EPA's Crosshairs
Ken Stewart
Session 12: Operation & Maintenance

Wednesday, May 4, 2016
8:30 AM - 11:45 AM

12A 8:30 AM  Emergency Repairs to Buttrey Street Storm Sewer Outfall in Niagara Falls, Ontario
Mark Stirrup, Hatch Mott MacDonald

12B 9:00 AM  Flow Through A Bottom Rack Slot At A Combined Sewer Diversion Structure: Field And Numerical Investigations
Yovanni Catano, Shanno Conway, Nicholas Anderson, MWH

Melissa Gatterdam, Metropolitan Sewer District of Greater Cincinnati; Reese Johnson, CH2M

12D 10:15 AM Getting Better Results with Simpler Controls at the MSDGC SSO 700 High Rate Treatment Facility
Timothy Ruggaber; Emnet LLC; Ruben Kertesz; Melissa Gatterdam, Metropolitan Sewer District of Greater Cincinnati; Shirish Agarwal

12E 10:45 AM An Environmental Management System and ISO 14001 Certification: How One City’s Sewer Maintenance Division Optimized Operations
Matthew Vessie, Dustin Tripp, Kenneth Neal, City of Raleigh

12F 11:15 AM Intelligent Sewer Operations; Putting Theory Into Practice In Atlanta
Nicholas Anderson, MWH Global; Kai Iaukea

11:45 AM Conference Adjourns