

PROGRAM

VIRGINIA WATER CONFERENCE 2003



“NAVIGATING THE REGULATORY ENVIRONMENT: NPDES, TMDLS, SECTION 404, AND BEYOND”

Please see our Web site at <http://www.vlwa.org>

SUNDAY, MARCH 23, 2003

- 1:00 PM Virginia Lakes & Watershed Association Golf Tournament
Heron Ridge Golf Course, Virginia Beach
- 2:00 – 6:00 PM Exhibitors' Display Set Up (Exhibitors' Area)
- 5:00 – 7:00 PM Registration (Conference Reception Desk)
- 6:00 – 7:00 PM Meeting of VLWA Board of Directors (Elm Room)
- 7:00 – 8:30 PM Exhibitor and Early Registrant's Reception (President's Suite)

MONDAY MORNING, MARCH 24, 2003

- 7:00 – 8:00 AM Registration and Check-In (Conference Reception Desk)
- 7:30 AM Coffee and Pastries (Grand Ballroom)
- 8:00 – 9:00 AM President's Welcome – G. Kenneth Young, President, VLWA
- 9:15 – 10:45 First Concurrent Sessions**

SESSION 1A NPDES Stormwater I	SESSION 1B Dam Safety and Rehabilitation
<i>VPDES Permitting- Storm Water Phase 2</i> —Burt Tuxford – VADEQ, Office of Water Permit Programs	<i>Dam – Here Comes a Community</i> —Jon Phillippe – VADCR
<i>Virginia Pollution Discharge and Elimination System Phase 2 Permit Program</i> —Joseph Battiata – VDOT	<i>Dams, Trees, and Vegetative Cover</i> —Ken Turner – VADCR
<i>DCR's Efforts in Support of the VPDES Phase II Stormwater Permitting System</i> —Larry Gavan – VADCR	<i>Repairing a 150-Year Old Mill Dam and Preserving a Piece of History</i> —Tillman Marshall – Schnabel Engineering
	<i>Adaptation of Design at Hunting Run Dam – A Case Study of a Large Water Supply Project</i> —Thomas Pursel – Gannett Fleming

11:00 – 12:30

Second Concurrent Sessions

SESSION 2A Npdes Stormwater II	SESSION 2B Dams and Water Supply	SESSION 2C Water Quality Management
<i>Toward Implementation: Next Steps in the NPDES Phase II Program—</i> Jeffrey Sparrow – AMEC Earth & Environmental, Inc. <i>NPDES Municipal Storm Water Permitting: Can the Program Become More Measurable and Effective?—</i> Jim Collins – Tetra Tech, Inc. <i>NPDES II – Our View of the Application—</i> Lamont Curtis, Kristel Riddervold – The TAF Group <i>Loudoun County Stormwater Pollution Assessment of Five County Facilities—</i> Christine Estes – GKY&A	<i>Community Evaluates Risk to Drinking Water Reservoir—</i> Pamela Kenel – Black and Veatch <i>Kent Lake Dam Repairs—</i> Scott Cahill – Watershed Services <i>Water System Vulnerability Assessment, Emergency Response Plans, and Source Water Protection—</i> Linda Warren – CH2M HILL <i>Protecting Your Investment – Why POAs Should Own Community Dams—</i> Lisa Cahill – Watershed Services	<i>Suburban BMP Knowledge Base—</i> Stuart Finley – Lake Barcroft Watershed Improvement District; Ken Young – GKY and Associates, Inc. <i>Interception and Collection of Watershed Debris—</i> Ken Young – GKY and Associates, Inc.; Stuart Finley – Lake Barcroft Watershed Improvement District <i>Measurement and BMP Removal of Suspended Material in Storm Water Runoff—</i> Roger James – Water Resources Management <i>Estimating Maintenance Cost for Stormwater BMP Facilities—</i> Keith Bishton, Laurens van der Tak – CH2M HILL

12:45 – 1:45 PM

Luncheon (Grand Ballroom)

Keynote Address: Robert Burnley, Director, Virginia Department of Environmental Quality

MONDAY AFTERNOON, MARCH 24, 2003

2:00 – 3:30 PM Third Concurrent Sessions

SESSION 3A Low Impact Development	SESSION 3B Project Planning and Management for More Effective Execution of FEMA's Flood Mitigation Programs and NFIP Compliance	SESSION 3C Water Quality Management Ii
<p><i>Low Impact Development Update—</i> Paul Koch – Low Impact Development Center</p> <p><i>Applying Low Impact Development Controls to Existing Military Facilities—</i>J. Timothy Hare, Daniel Medina – CH2M HILL</p> <p><i>Quantitative Runoff Volume and Groundwater Recharge Credit Charts for LID Practices—</i>Kaveh Zomorodi – Dewberry & Davis</p>	<p><i>Spec'ing Flood Mitigation Projects – Get It Right The First Time —</i> Rebecca Quinn – RC Quinn & Associates</p> <p><i>Coordinating Flood Mitigation Activities Using Project Tracking—</i> Derrick Ruble – Town of Bluefield, VA; Shane Parson – Anderson & Associates</p> <p><i>Addressing the Challenges of Reinstatement Into the NFIP for the City of Winchester, VA—</i> Kimberley Pirri – Michael Baker Jr., Inc.; Francis Sanders, Jr. – City of Winchester</p> <p><i>Disaster Mitigation Act of 2000's Pre-Disaster Mitigation Planning – What Does it Mean to Localities in Virginia?—</i>Deborah Mills – VADCR, Floodplain Management Program</p>	<p><i>Innovative Cropping Systems Incentive Program Soil Quality Improvements and Watershed Hydrology Functions—</i>Brian Noyes – Colonial Soil & Water Conservation District</p> <p><i>Livestock Exclusion and Vegetation Restoration Effects on Streams in Agricultural Landscapes—</i>K.R. Cook, E.F. Benfield – Dept. of Biology, Virginia Tech</p> <p><i>The Effects of Vegetation on the Transport of <u>Cryptosporidium parvum</u> in Overland and Near-surface Flow—</i>Jennifer Trask– PBS&J</p> <p><i>Smith Mountain and Claytor Lake Water Quality: Another Year of Drought—</i>Carolyn Thomas – Ferrum College</p>

3:45 – 5:15 PM Fourth Concurrent Sessions

<p>SESSION 4A Public Involvement and Education</p>	<p>SESSION 4B Advances in Technology & Planning Initiatives for Complying With the New Demands of FEMA's Map Modernization Program</p>	<p>SESSION 4C Ecology</p>
<p><i>Getting in Step: Engaging and Involving Stakeholders in Your Watershed</i>—Charlie MacPherson, Barry Tinning – Tetra Tech, Inc</p> <p><i>Case Study for Public Involvement and Outreach to Implement a Watershed/ Stream Restoration Project/ Edward's Branch Watershed Improvement Project</i>—Will Wilhelm – Kimley-Horn and Associates, Inc.</p> <p><i>Curriculum Resources for Environment and Natural Resource Education</i>—Barry Fox – Virginia State University</p>	<p><i>Automated Hydrologic and Hydraulic Modeling</i>—Steve Jencen – AMEC Earth & Environmental</p> <p><i>Virginia's Statewide Mapping Prioritization Plan</i> —Corey Garyotis – VADCR, Floodplain Management Program</p> <p><i>Use of GIS for Floodplain Management</i> — Dr. Shane Parson – Anderson & Associates, Inc.</p> <p><i>Development of GIS and an Internet GIS in Loudoun County, VA: Basic Floodplain Management Applications of an Internet GIS</i> – Jeff Smith – Loudoun County</p> <p><i>Update on FEMA Map Modernization</i> – FEMA/Dewberry & Davis</p>	<p><i>Counting Bugs: Introduction to Macroinvertebrate Biomonitoring Programs</i>—Melissa McCanna – Dewberry & Davis</p> <p><i>Benthic Macroinvertebrate Response to Post-Development Stream Hydrology</i>—Bill Kirby – Paciulli, Simmons & Associates</p> <p><i>Use of a Value-based Model to Assess Residential and Ecological Reuse of Superfund Sites</i>—Melissa Kenney – Duke University</p> <p><i>Wet Weather Monitoring for Event-Scale Toxicity</i>—Michael Barbachem – URS Corporation</p>

MONDAY EVENING, MARCH 24, 2003

- 5:15 – 6:30 PM Reception
- 6:30 – 7:00 PM Virginia Lakes and Watersheds Association Business Meeting (Grand Ballroom)

TUESDAY MORNING, MARCH 25, 2003

8:00 – 9:30 AM Fifth Concurrent Sessions

SESSION 5A Watershed Management	SESSION 5B Lake Maintenance And Dredging	SESSION 5C Technology Applications
<p><i>From Aesthetics to Zooplankton: Twenty Years of Water Resources Management in Reston, VA</i>—Larry Butler, Diana Saccone—Reston Association</p> <p><i>Comprehensive Stream Physical Assessment and GIS Data Management Tools Support Fairfax County's Watershed Management Program</i>—Laurens van der Tak – CH2M HILL</p> <p><i>Development of a Watershed-Based Strategic Water Quality Management Plan for the City of Virginia Beach</i>—Wendy Cox Royston – URS Corp.; Stephen McLaughlin – Virginia Beach Public Works</p> <p><i>Prince William County's Stream Protection Strategy: A Foundation for Planning Effective Watershed Management</i>—Daniel Medina – CH2M HILL</p>	<p><i>What to Expect When you Decide to Dredge Your Lake</i>—Martin Firth – Lake Services of Virginia, Inc.</p> <p><i>Lake Accotink Dredge and Disposal Design Analysis Identifies Alternatives for Dredge Disposal with limited Availability of Available Land, Fairfax County, VA</i>—Pieter Dahmen – HDR Engineering, Inc.</p> <p><i>Getting the Most Out of Your Fish Finder</i>—Shane Brennan – City of Virginia Beach</p> <p><i>Twenty Years of Experience – RCC Spillways and Overtopping Protection</i>—Randall Bass – Portland Cement Association</p>	<p><i>Map Analysis of Regulated Outfalls in Loudoun County</i>—David Sedgwick Ward, David Sidney Ward, James Suddreth— Dept. of General Services, Loudoun County</p> <p><i>Combining Information Technology and VPDES Compliance</i>—Diana St. John, Edward Beadenkopf – AMEC Earth & Environmental, Inc.</p> <p><i>Modernizing Municipal Storm Water Models: A Case Study</i>—John Paine—URS Corporation</p> <p><i>Moores Creek Watershed Analysis</i>—Seshadri Suryanarayana – Woolpert LLP</p>

10:00 – 11:30 AM Sixth Concurrent Sessions

SESSION 6A Water Supply	SESSION 6B Lake Maintenance and Dredging II	SESSION 6C Innovative Stormwater Solutions
<i>Cherry Creek Watershed Restoration</i> —Bill Frost – KCI Technologies, Inc.	<i>Sonar Quick Release* (Q): Advancements In Product Formulation Technology for Sonar Herbicide</i> —Bo Burns – SePRO Corporation	<i>Case Studies in Wetland Design, Construction & Maintenance</i> —Ervin Bedker, Howell Simmons – Paciulli Simmons & Associates, Ltd.
<i>County Watershed Programs in Virginia: The Current State and a Framework for the Future</i> —Dan Sweet, KCI Technologies, Inc.	<i>Solarbee: The Love-Hat Relationship with Algae</i> —Michael Lipparelli – Pump Systems, Inc.	<i>Wetland Habitats in Stormwater Dry Ponds</i> —Dave Brown – Fairfax County Dept. of Public Works and Environmental Services
<i>Municipal Coalition Efforts to Resolve Peak Wet Weather Flow Processing and Permitting Issues</i> —John Hall – Hall & Associates	<i>Renovate* A New, Unique, Selective Systemic Aquatic Herbicide</i> —Bo Burns – SePRO Corporation	<i>Filtterra™ A New Advanced Bioretention Stormwater Treatment System</i> —Terry Siviter – Americast
<i>Field Assessment Techniques for Targeting Water Quality Improvement Projects</i> —James Halley – Natural Systems Engineering; Julia Elmore – Surry County Soil and Water Conservation District		<i>Stormceptor™ Monitoring and Modeling</i> —Fabio Tonto – Stormceptor

Noon – 1:30 PM Luncheon (Grand Ballroom)

Dam Safety Awards Presentations

TUESDAY AFTERNOON, MARCH 25, 2003

1:30 – 3:30 PM Virginia Floodplain Management Association Annual Business Meeting