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

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<th>SESSION 1A</th>
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<td>NPDES Stormwater I</td>
<td>Dam Safety and Rehabilitation</td>
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- VPDES Permitting- Storm Water Phase 2—Burt Tuxford – VADEQ, Office of Water Permit Programs
- Virginia Pollution Discharge and Elimination System Phase 2 Permit Program—Joseph Battiata – VDOT
- DCR’s Efforts in Support of the VPDES Phase II Stormwater Permitting System—Larry Gavan – VADCR
- Dam – Here Comes a Community—Jon Phillippe – VADCR
- Dams, Trees, and Vegetative Cover—Ken Turner – VADCR
- Repairing a 150-Year Old Mill Dam and Preserving a Piece of History—Tillman Marshall – Schnabel Engineering
- Adaptation of Design at Hunting Run Dam – A Case Study of a Large Water Supply Project—Thomas Pursel – Gannett Fleming
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<th>11:00 – 12:30</th>
<th>Second Concurrent Sessions</th>
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<td>SESSION 2A</td>
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<td>Npdes Stormwater II</td>
<td>Dams and Water Supply</td>
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<td>Toward Implementation: Next Steps in the NPDES Phase II Program—Jeffrey Sparrow – AMEC Earth &amp; Environmental, Inc.</td>
<td>Community Evaluates Risk to Drinking Water Reservoir—Pamela Kenel – Black and Veatch</td>
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12:45 – 1:45 PM Luncheon (Grand Ballroom)

Keynote Address: Robert Burnley, Director, Virginia Department of Environmental Quality
### Third Concurrent Sessions

#### SESSION 3A
**Low Impact Development**

- Low Impact Development Update—Paul Koch – Low Impact Development Center
- Applying Low Impact Development Controls to Existing Military Facilities—J. Timothy Hare, Daniel Medina – CH2M HILL
- Quantitative Runoff Volume and Groundwater Recharge Credit Charts for LID Practices—Kaveh Zomorodi – Dewberry & Davis

#### SESSION 3B
**Project Planning and Management for More Effective Execution of FEMA’s Flood Mitigation Programs and NFIP Compliance**

- Spec’ing Flood Mitigation Projects – Get It Right The First Time — Rebecca Quinn – RC Quinn & Associates
- Coordinating Flood Mitigation Activities Using Project Tracking—Derrick Ruble – Town of Bluefield, VA; Shane Parson – Anderson & Associates
- Addressing the Challenges of Reinstatement Into the NFIP for the City of Winchester, VA—Kimberley Pirri – Michael Baker Jr., Inc; Francis Sanders, Jr. – City of Winchester
- Disaster Mitigation Act of 2000’s Pre-Disaster Mitigation Planning – What Does it Mean to Localities in Virginia?—Deborah Mills – VADCR, Floodplain Management Program

#### SESSION 3C
**Water Quality Management Ii**

- Innovative Cropping Systems Incentive Program Soil Quality Improvements and Watershed Hydrology Functions—Brian Noyes – Colonial Soil & Water Conservation District
- Livestock Exclusion and Vegetation Restoration Effects on Streams in Agricultural Landscapes—K.R. Cook, E.F. Benfield – Dept. of Biology, Virginia Tech
- The Effects of Vegetation on the Transport of Cryptosporidium parvum in Overland and Near-surface Flow—Jennifer Trask– PBS&J
- Smith Mountain and Claytor Lake Water Quality: Another Year of Drought—Carolyn Thomas – Ferrum College
### SESSION 4A  
**Public Involvement and Education**
- **Getting in Step: Engaging and Involving Stakeholders in Your Watershed** — Charlie MacPherson, Barry Tonning – Tetra Tech, Inc
- **Case Study for Public Involvement and Outreach to Implement a Watershed/Stream Restoration Project/Edward’s Branch Watershed Improvement Project** — Will Wilhelm – Kimley-Horn and Associates, Inc.
- **Curriculum Resources for Environment and Natural Resource Education** — Barry Fox – Virginia State University

### SESSION 4B  
**Advances in Technology & Planning Initiatives for Complying With the New Demands of FEMA's Map Modernization Program**
- **Automated Hydrologic and Hydraulic Modeling** — Steve Jencen – AMEC Earth & Environmental
- **Virginia’s Statewide Mapping Prioritization Plan** — Corey Garyotis – VADCR, Floodplain Management Program
- **Use of GIS for Floodplain Management** — Dr. Shane Parson – Anderson & Associates, Inc.
- **Development of GIS and an Internet GIS in Loudoun County, VA: Basic Floodplain Management Applications of an Internet GIS** — Jeff Smith – Loudoun County
- **Update on FEMA Map Modernization** — FEMA/Dewberry & Davis

### SESSION 4C  
**Ecology**
- **Counting Bugs: Introduction to Macroinvertebrate Biomonitoring Programs** — Melissa McCanna – Dewberry & Davis
- **Benthic Macroinvertebrate Response to Post-Development Stream Hydrology** — Bill Kirby – Paciulli, Simmons & Associates
- **Use of a Value-based Model to Assess Residential and Ecological Reuse of Superfund Sites** — Melissa Kenney – Duke University
- **Wet Weather Monitoring for Event-Scale Toxicity** — Michael Barbachem – URS Corporation

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**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

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<th>SESSION 5A</th>
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<td>Watershed Management</td>
<td>Lake Maintenance And Dredging</td>
<td>Technology Applications</td>
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<tr>
<td>From Aesthetics to Zooplankton: Twenty Years of Water Resources Management in Reston, VA—Larry Butler, Diana Saccone–Reston Association</td>
<td>What to Expect When you Decide to Dredge Your Lake—Martin Firth – Lake Services of Virginia, Inc.</td>
<td>Map Analysis of Regulated Outfalls in Loudoun County—David Sedgwick Ward, David Sidney Ward, James Suddreth– Dept. of General Services, Loudoun County</td>
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10:00 – 11:30 AM  Sixth Concurrent Sessions

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<th>SESSION 6A Water Supply</th>
<th>SESSION 6B Lake Maintenance and Dredging II</th>
<th>SESSION 6C Innovative Stormwater Solutions</th>
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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