

PROGRAM

SUNDAY, MARCH 19, 2006

- 2:00 – 6:00 PM Exhibitors' Display Set Up (Exhibitors' Area)
4:00 – 6:00 PM Registration (Conference Reception Desk)
5:00 – 6:00 PM Meeting of VLWA Board of Directors
6:30 – 8:00 PM Exhibitor and Early Registrant's Reception

MONDAY MORNING, MARCH 20, 2006

- 7:00 – 8:00 AM Registration and Check-In (Conference Reception Desk)
7:30 AM Coffee and Pastries
8:00 – 9:00 AM Welcome to the Conference, Stuart Stein, Conference Chair
President's Address, David Rosenthal, President, VLWA

9:15 – 10:30 First Concurrent Sessions

SESSION 1A STORMWATER 1 Moderator – Ved Malhotra, City of Newport News	SESSION 1B WATER QUALITY 1 Moderator – Steve McLaughlin, City of Virginia Beach
<i>Stormwater Story: What Happens When It Rains - Andrew Gould, Timmons Group</i>	<i>Getting to the Source: Bacterial, Optical Brightener, and PCR Monitoring Results in Dey Cove - Mike Barbachem, URS Corporation, Seshadri Iyer, URS Corporation, Elizabeth Scheessele, URS Corporation, Steve McLaughlin, City of Virginia Beach DPW&E</i>
<i>Being a Good Corporate Citizen: Identifying BMP Opportunities in an Urban Environment – Wendy Royston, URS, William Johnston, City of Virginia Beach, DPW</i>	<i>Transport of Fecal Bacteria from Poultry Litter and Cattle Manures Applied to Pastureland – Michelle Soupir, Saied Mostaghimi, VPI&SU</i>
<i>MS4 Phase I Permit Re-Application Process: Virginia Beach's Perspective - Wendy Royston, URS Corporation, William Johnston, City of Virginia Beach, DPW, John Carlock, Hampton Roads Planning District Commission</i>	<i>Saving the Lynnhaven Oyster: Implementation of Lake Aeration to Reduce Fecal Coliform Bacteria Levels – Beth Anderson, Parsons Brinckerhoff, Steve McLaughlin, City of Virginia Beach DPW&E</i>
<i>(Semi-Automated) Illicit Discharge Tracking and Elimination Procedures – Jack Wall, Woolpert, Inc.</i>	<i>Picking the Low Hanging Fruit: Marine Sanitation Needs and NDZ for the Lynnhaven River – Steve McLaughlin, City of Virginia Beach DPW&E</i>
SESSION 1C HOMEOWNERS ASSOCIATION WORKSHOP Moderator – Bud Curtis, Parsons Brinckerhoff	SESSION 1D WATER SUPPLY 1 Moderator – Tim Hare, CH2M Hill
<i>Property and Condominium Owners Association – Power and Responsibilities – Cynthia Schrier, Dept. of Professional and Occupational Regulation</i>	<i>Even When It Rains You Need to Drought Plan: Dynamic Modeling Application to Water Supply Planning in Virginia – Tim Hare, CH2M HILL, Jim Spacek, City of Portsmouth, Laurens van der Tak, CH2M HILL, Edwin Snyder III, CH2M HILL</i>
<i>Newport News Lake Enhancement Program – Ved Malhotra, Melinda Sparks, Newport News Department of Engineering</i>	<i>25 Years of Watershed Planning – The Need for a Comprehensive Approach by the City of Norfolk – David Rosenthal, City of Norfolk, Dept. of Utilities</i>
<i>A Walk Through the Dredging Permit and Contracting Process – Rebecca Francese, Waterway Engineering</i>	<i>Local and Regional Water Supply Planning Efforts – William Norris, DEQ</i>
<i>BMP and Lake Maintenance Issue – What To Do To Keep Them Working – Lamont “Bud” Curtis, Parsons Brinckerhoff, Sherry Earley, City of Suffolk DPW</i>	<i>Rock Quarries as a Viable Option for Water Supply Storage – Timothy Coughlin, Loudoun County Sanitation Authority, Laurens van der Tak, CH2M HILL</i>

10:30 – 10:45 Coffee Break

10:45 – 12:00 Second Concurrent Sessions

SESSION 2A STORMWATER 2	SESSION 2B WATER QUALITY 2
Moderator – Tom Mullen, CDS Technologies	Moderator – Jean Gregory, DEQ
<i>The Analytic Hierarchy Process in BMP Selection – Kevin D. Young, VPI&SU</i>	<i>Update on VA DEQ Proposed Lake Nutrient Criteria Amendments – Jean Gregory, DEQ</i>
<i>Full Scale Laboratory Evaluation of Stormceptor Model STC 900 for Removal of TSS – P. Tov, B. Lee, F. Tonto, Stormceptor Group of Companies</i>	<i>Development of a Source-Sink Coupled Nitrogen Loading Model for Distributed Nitrogen Sources – Kwisun Park Yu, Leying Zhang, Jaewan Yoon, Old Dominion University</i>
<i>CDS Storm Water Treatment System – Tom Mullen, CDS Technologies</i>	<i>Comparative Feasibility Study of Moderate Resolution Imaging Spectroradiometer (MODIS) Image-Based Chlorophyll a Concentration Estimation Model – Kwinsun Park Yu, Jaewan Yoon, Old Dominion University</i>
	<i>2-Dimensional Finite Segment Reservoir Nitrogen Water Quality Modeling Framework Approach – Leying Zhang, Jaewan Yoon, Old Dominion University</i>

SESSION 2C DAM SAFETY 1	SESSION 2D WATER SUPPLY 2
Moderator – Ken Turner, VA DCR Soil & Water	Moderator – Elizabeth Krousel, AMEC
<i>The Dam Rehabilitation Program in Virginia– Mathew Lyons, USDA-NRCS</i>	<i>Show Me the Water! It is Time for Congress to Acknowledge the Human Right to Water Access – Chad West, Texas Tech University</i>
<i>Planning for the Present: Proactive Response to Minimize Future Liability for Sponsors of Small Watershed Dams in Virginia – Wade Biddix, USDA-NRCS</i>	<i>Water Supply Planning for Shenandoah Valley Watersheds-A Long Term Local-Regional Community Networking Approach to DEQ's New Water Supply Regulations (9 VAC 25-780) – David Bulova, AMEC Earth & Environmental, Thomas Christoffel, Northern Shenandoah Valley Regional Commission, Elizabeth Krousel, AMEC Earth & Environmental, Inc.</i>
<i>Impacts of Agricultural Flood Control Dams on the City of Waynesboro – Michael Bliss, David Kibler, VPI&SU</i>	<i>Natural Phytoestrogenic and Antioxidant Endocrine Disruptors in Local Water Sources – Roy Williams, Old Dominion University</i>
<i>Emergency Action Plans for Dam Owners – John Peterson, Kemps Consultants, Inc.</i>	

12:15 – 1:15 PM Luncheon

Keynote Address: “Challenges/Status of Water Issues in Iraq”

Mr. Jerry W. Webb, PE, is the Principal Hydrologic and Hydraulic Engineer for the Corps of Engineers and serves as the Community of Practice Leader for Hydrology and Hydraulics. Prior to his assignment at HQUSACE, Mr. Webb was the Chief of Water Resources Engineering Branch in Huntington District, where he was a key member of the Dam Safety Committee and was responsible for water management activities associated with thirty-five reservoirs and nine navigation locks and dams. From September 2003-March 2004, Mr. Webb served as the Sr. Advisor to the Ministry of Water Resources in Baghdad, Iraq. He also served as Sr. Advisor to the Ministry of Environment from mid-January until his departure in March. In this capacity, he supported rebuilding/reconstruction of Iraq's water resources infrastructure.

MONDAY AFTERNOON, MARCH 20, 2006

1:30 – 2:45 PM Third Concurrent Sessions

<p>SESSION 3A STORMWATER 3 Moderator – Joseph Battiata, Stormwater 360</p> <p><i>Stormwater Management Technical Criteria Standards for Consistency or Roadblocks for Progress – Joseph Battiata, Stormwater 360</i></p> <p><i>Filtterra: Stormwater Bioretention Filtration System – Terry Siviter, Filtterra-Americast</i></p> <p><i>Prince William County's Experience in On-the-Ground Implementation of Low Impact Development – Wade Hugh, Watershed Management Branch, Prince William County</i></p>	<p>SESSION 3B GREEN DEVELOPMENT Moderator – Andrew Gould, Timmons Group</p> <p><i>Integrating Innovative Stormwater Management into Green Building Design and the LEED Rating System – Chris Earley, Timmons Group, Sandra Leibowitz Earley, Sustainable Design Consulting</i></p> <p><i>Williamsburg/James City County Courthouse Bioretention Demonstration Project – Scott Thomas, James City County</i></p> <p><i>Moseley Architects Seeks LEED Platinum for New Corporate Office – Bryna Cosgriff Dunn, Moseley Architects, Frank Slinsky, Timmons Group</i></p> <p><i>Virginia State Capitol Renovations – Don Rissmeyer, Draper Aden Associates</i></p>
<p>SESSION 3C DAM SAFETY 2 Moderator – Jeff Cowan, Dewberry & Davis</p> <p><i>Rehabilitation of Marrowbone Dam – RCC Armoring for 13 Feet of Overtopping – Tillman Marshall, Schnabel Engineering</i></p> <p><i>When a Dam's Hazard Classification Changes Because of Downstream Development – John Peterson, Kemp's Consultants, Inc.</i></p> <p><i>Roller-Compacted Concrete for Rehabilitation of Old Dams and Construction of New Dams – Fares Abdo, Portland Cement Association</i></p> <p><i>The Other Dam Safety-Considerations for Safety of Personnel During Dam Operation and Inspection – Scott Cahill, Watershed Services</i></p>	<p>SESSION 3D FLOODPLAIN MANAGEMENT 1 Moderator – Deborah Mills, VA Dept. of Emergency Management</p> <p><i>Katrina's Aftermath on the Mississippi Gulf Coast – Deborah Mills, VDEM, Mark Slauter, DCR</i></p> <p><i>Observations of the Aftermath of Katrina in New Orleans, October 2005 – David Preusch, Michael Baker</i></p> <p><i>Hurricane Rita in SW Louisiana – Bruce Sterling, VDEM</i></p>

2:45 – 3:15 Coffee Break

3:15 – 4:30 PM Fourth Concurrent Sessions

SESSION 4A	SESSION 4B
WATERSHED MANAGEMENT	LAKE MANAGEMENT
Moderator – Mark McElroy, Malcolm Pirnie, Inc.	Moderator – Ephraim Seidman
<i>The Challenges of a Watershed Management Program – Fairfax County’s Experience – Fred Rose, Fairfax Co.</i>	<i>Bathymetry: It’s Not a Four Letter Word – Jason Gibson, Seth Brown, GKY & Associates, Inc.</i>
<i>Planning for the Future: Urban Watershed Modeling for the Lynnhaven River – Elizabeth Scheessele, URS Corp.</i>	<i>Invasive Aquatic Plants in Virginia Ponds, Lakes and Waterways – David Cutlip, DSC Aquatic Solutions, Inc., Debra Martin, VA Dept of Agriculture & Consumer Services</i>
<i>Now What? Implementing the Bacterial TMDLs – Jennifer Tribo, Hampton Roads Planning District Commission</i>	<i>Cyanobacteria - Bloom and Doom, Prune the Bloom – James Morgan, Peroxygen Solutions</i>
<i>Watershed-Scale Analysis of Channel Stability Using LIDAR Data and Low-Level Aerial Photography – Mark McElroy, Malcolm Pirnie, Inc.</i>	<i>Types of Pond and Lake Aerators – Steve Blackshire, Otterbine Barebo, Inc.</i>
SESSION 4C	SESSION 4D
DAM SAFETY 3	FLOODPLAIN MANAGEMENT 2
Moderator – David Krisnitski, VA Dept. Game & Inland Fisheries	Moderator – Michelle B. Pope, VA Dept. of Emergency Management
<i>Rehabilitating Aging Earthen Dams: Recent US Experience – John Peterson, Kemp’s Consultants, Inc.</i>	<i>Residential Elevations – Barbara Lai, City of Norfolk</i>
<i>Lake Idylwild Dam Failure – Michael Claud, Timmons Group</i>	<i>Municipal and Residential Acquisitions – Charles (Chuck) Van Allman, Jr., City of Salem</i>
<i>Ballpark PMFs – Greg Paxson, Schnabel Engineering</i>	<i>Municipal, Commercial and Residential Mitigation-Acquisition and Elevations – Donald Goodwin, City of Franklin</i>
<i>The Biggest Bang for the Buck – Managing Factors That Influence Construction Costs – Lisa Cahill, Watershed Services</i>	<i>Residential Acquisitions and Elevations – Drew Havens, Town of Glasgow</i>

MONDAY EVENING, MARCH 20, 2006

- 4:45 – 6:00 PM Reception
- 6:00 – 6:30 PM Virginia Lakes and Watersheds Association Business Meeting

TUESDAY MORNING, MARCH 21, 2006

7:00 – 8:15 AM Virginia Floodplain Management Association Annual Business Meeting – **Anna Room**

8:30 – 9:45 AM **Fifth Concurrent Sessions**

SESSION 5A	SESSION 5B
TMDLs	ECOLOGICAL RESTORATION 1
Moderator – David Lazarus, Virginia DEQ	Moderator – Gerry Hammel, EcoDepot
<i>Development of a TMDL for the Occoquan Reservoir- Background and Approach – Adil Godrej, Occoquan Watershed Monitoring Laboratory</i>	<i>Sediment and Erosion Control Constructability Issues – Rick Scaffidi, EQR</i>
<i>PCB Source Identification and TMDL Development in Virginia Watersheds – Mark Richards, DEQ</i>	<i>Consistent Planting Specifications for Long Term Plant Survival – Bill Dowling, EQR</i>
<i>Baby Steps on the Road to Restoring the Valley's Agricultural Streams – Robert Brent, DEQ</i>	<i>Managing Project Construction Access and Staging Areas – Chris Choppin, EQR</i>
<i>Collaborative TMDL Implementation Efforts in Virginia Beach, VA – Steve McLaughlin, City of Virginia Beach DPW</i>	<i>Innovative Products and Techniques for Project Improvement – Gerry Hammel, EcoDepot, LLC</i>
SESSION 5C	SESSION 5D
DAM SAFETY 4	FLOODPLAIN MANAGEMENT 3
Moderator – Greg Paxson, Schnabel	Moderator – Cory Garyotis, Timmons Group
<i>Dam Safety 101: Liability, Maintenance, and Costs – Cameron Smith, Watershed Services, Inc.</i>	<i>Discussion Panel: FEMA Flood Map Modernization: Ask the Experts – Nikki Roberts, FEMA Region III, David Gunn, DCR</i>
<i>Stopping a Violent Port Through a Concrete Conduit – Austen Bander, Watershed Services, Inc.</i>	
<i>Modernizing the Emergency Action Plan in Virginia – Mishelle Noble-Blair, City of Manassas Water & Sewer Dept.</i>	
<i>New Big Cherry Dam Project – Geoffrey Cowan, Dewberry & Davis LLC</i>	

9:45 – 10:15 Coffee Break

10:15 – 11:30 AM Sixth Concurrent Sessions

SESSION 6A	SESSION 6B
PUBLIC OUTREACH	ECOLOGICAL RESTORATION 2
Moderator – Bill Johnston, City of Virginia Beach	Moderator – Seth Brown, GKY & Associates
<i>Public Education and Outreach: Efforts Made to Help the Public Understand Watershed Management – Nicki Foremsky, Reston Association</i>	<i>A Comparison of Draft Stream Assessment Methods Developed by the Virginia Department of Environmental Quality and US Army Corps of Engineers – Bob Kerr, Kerr Environmental Services Corp.</i>
<i>What Do You Know About Water Quality? – Barry Fox, Virginia State University</i>	<i>James City County Protects Sensitive Streams – Andrew Gould, Timmons Group</i>
<i>Forging Partnerships: Citizen and Governmental Roles in Restoring the Lynnhaven – William Johnston, City of Virginia Beach</i>	<i>Wise Wetland Project Reclamation Studio – Abby Stangl, University of Virginia at Wise</i>
	<i>Snakeden Branch Stream Restoration: Then and Now – Seth Brown, Stuart Stein, GKY & Associates, Inc.</i>
SESSION 6C	SESSION 6D
PRESENT AND FUTURE DAM ISSUES	FLOODPLAIN MANAGEMENT 4
Moderator – Martin Firth, Lake Services of VA	Moderator – Shane Parson, URS Corp.
<i>Panel Members:</i>	<i>Shockoe Creek Flood Study, Richmond, VA – Bill Walker, URS Corporation Kim Dunn, Dewberry, Nikki Roberts, FEMA Region III</i>
Patrick Murphy, Thompson & Litton Engineers	<i>Integrated Stormwater and Floodplain Management Approach – Shane Parson, John Paine, URS Corporation</i>
Ken Turner, DCR Soil and Water	<i>Drainage Improvement Plan for Stafford County Subdivisions – James Leonard, URS Corporation</i>
Scott Cahill, Watershed Services	
Representative from VA DCR-Dam Safety & Floodplain Management	

11:45 – 1:00 PM Luncheon

Keynote Address: “The Safety of Virginia’s Waters”

L. Preston Bryant, Virginia Secretary of Natural Resources