21st Annual Environment Virginia Symposium
Marshall Hall- Center for Leadership and Ethics
Virginia Military Institute – Lexington, Virginia
6 - 8 April 2010
www.vmi.edu/environmentva

Optimizing Stewardship in a Challenging Economy

Final Agenda

Tuesday, 6 April

10 am – 3:30 pm **Pre-symposium workshops** *(additional registration)*

- James River resource management framework and future challenges *(see page 14)*
- Making Virginia a "Green Jobs Zone" (*see page 15)*
- Achieving Environmental, Security and Efficiency Goals (*see page 16*)

2:00 – 5:00 pm DEQ meeting – Developing waste-to-energy in Virginia *(see page 17)*

2:00 – 6:00 pm Exhibitor registration and set-up *(Marshall Hall)*

Wednesday, 7 April

8:00 am – 5:00 pm Registration – Refreshments/Coffee Bar - Visit Exhibit Booths *(Marshall Hall)*

9:00 – 9:10 am **Welcoming Ceremonies** *(Marshall Hall, Gillis Theater)*
Call to Order – CAPT Susan Rabern, USN (Retired), VMI Center for Leadership and Ethics
Posting of the Colors – VMI Color Guard
National Anthem – VMI Herald Trumpets

Welcoming Remarks and Introduction of the Governor
General J.H. Binford Peay III, U.S. Army (Retired)
Superintendent, Virginia Military Institute

9:15 – 9:45 am **Keynote Speaker** *(Marshall Hall, Gillis Theater)*
The Honorable Robert F. McDonnell
Governor, Commonwealth of Virginia

9:50 – 10:00 am Break-in-place

10:00 – 11:00 am **Plenary Session** *(Marshall Hall, Gillis Theater)*
Host: Jack E. Frye, Division Director, Virginia Department of Conservation and Recreation
Sustainable Stewardship: Lessons Learned
Andrea Bear Field, Partner, Hunton & Williams LLP

Viable and Sustainable Farming by Growing the Regional Foods Market
Diana Endicott, Market Coordinator, Good Natured Family Farms

11:15 – 12:30 pm Concurrent Session A *(four tracks – see pg. 3)*

11:30 – 12:30 pm	Lunch One - Visit Exhibit Booths *(Marshall Hall, Hall of Valor)*
12:30 – 1:45 pm	Concurrent Session B *(three tracks – see pg. 3)*
12:45 – 2:00 pm	Lunch Two - Visit Exhibit Booths *(Marshall Hall, Hall of Valor)*
2:15 - 3:30 pm	**Plenary Session Speakers** *(Marshall Hall, Gillis Theater)* *Host: Gerald P. McCarthy, Executive Director, Virginia Environmental Endowment* **Improving Pollution Control Performance and Accountability in the Chesapeake Bay** *Charles Fox, Senior Advisor to the Administrator, Chesapeake Bay, US EPA* **The Case for a New American Environmentalism** *James Gustave Speth, Author, "The Bridge to the Edge of the World: Capitalism, the Environment, and Crossing from Crisis to Sustainability"*
3:45 – 5:00 pm	Concurrent Session C *(seven tracks – see pg. 3)*
5:30 – 8:15 pm	**Reception & Banquet** *(additional registration required)* ***Remarks*** The Honorable Bill Bolling, Lieutenant Governor, Commonwealth of Virginia ***Awards Ceremony for the Erchul Environmental Leadership Award*** ***Awards Ceremony for the Governor's Environmental Excellence Awards***

Thursday, 8 April

8:00 – 8:45 am	Buffet Breakfast/Coffee Bar - Visit Exhibit Booths *(Marshall Hall, Hall of Valor)*
9:00 – 10:15 am	**Eyes on the Prize: Environmental Protection & Stewardship in a Troubled Economy** *Host: Maureen Matsen, Deputy Secretary of Natural Resources, Commonwealth of Virginia* **Meeting Environmental Priorities -** *David K. Paylor, Director, Virginia Department of Environmental Quality & Officer, Environmental Council of the States* **Keeping Stewardship at the Forefront** - *Dennis H. Treacy, Vice President, Environmental and Corporate Affairs, Smithfield Foods, Inc*
10:30 – 11:45 am	Concurrent Session D *(seven tracks – see pg. 3)*
12:00 – 1:00 pm	Lunch One - Visit Exhibit Booths *(Hall of Valor, Marshall Hall)*
12:00 – 1:15 pm	Concurrent Session E *(four tracks – see pg. 3)*
1:00 – 2:15 pm	Concurrent Session F *(three tracks – see pg. 3)*
1:15 – 2:00 pm	Lunch Two - Visit Exhibit Booths *(Hall of Valor, Marshall Hall)*
2:15 pm	Adjournment

Tracks and Breakout Sessions (visit Web site for updates and changes)
Details on track agendas – See pages 4 – 12

Track	Session A Wednesday 11:15 - 12:30	Session B Wednesday 12:30 – 1:45	Session C Wednesday 3:45 – 5:00	Session D Thursday 10:30 – 11:45	Session E Thursday 12 – 1:15	Session F Thursday 1:00 – 2:15
One **Regulatory Updates** *Marshall Hall, Gillis Theater* *(details, pg 4)*	Lunch I	**Waste**	**Air**	**Stormwater**	Lunch I	**On the Waterfront**
Two **Chesapeake Bay** *Preston Library, Turman Room* *(details, pg 5)*	**Planning for the Bay TMDL**	Lunch II	**Developing Virginia's Watershed Implementation Plan**	**New Approaches and Tools for Restoring Living Resources**	**Market innovations**	Lunch II
Three **Land Conservation** *CLE, Marshall Hall, Shenandoah* *(details, pg 6)*	Lunch I	**State of land conservation & healthy waters**	**Next steps in strategic conservation**	**Next steps in stewardship of conserved lands**	Lunch I	**Market opportunities for conserved lands**
Four **Energy** *Marshall Museum, Pogue Auditorium* *(details, pg 8)*	**Surface coal mining**	Lunch II	**Off-shore drilling for oil and gas**	**Wind Projects in Virginia**	**State role: renewable energy development**	Lunch II
Five **Viable & Sustainable Farms** *CLE, Marshall Hall, New Market* *(details, pg 9)*	**Growing the local food market: Direct Sales**	Lunch II	**Growing the local food market: Wholesale**	**Growing New Farmers in Virginia**	**BMPs tracking & accounting**	Lunch II
Six **Adapting to Climate Change** *Marshall Museum, Library* *(details, pg 10)*	Lunch I	**State of the science & public perception**	**Ecological impacts**	**Economic Impacts**	Lunch I	**Local government responses**
Seven **(Re-) Development** *CLE, Marshall Hall, Boardroom* *(details, pg 12)*	**Retrofits for energy conservation**	Lunch II	**Retrofits for reducing stormwater**	**Alternative on-site sewage systems**	**Managing stormwater mandates at the local level**	Lunch II

Track 1 – Center for Leadership and Ethics, Marshall Hall, Gillis Theater

State and Federal Regulatory Updates

This track is a comprehensive review and discussion on the implementation of recent changes to federal and state legislation, regulations, and guidance relative to the air, water, stormwater and waste media. Public and private sector experts will provide their perspectives on how recently adopted federal and state rules and initiatives may impact businesses and local governments in a challenging economy. The outlook on issues such as greenhouse gases, the Chesapeake Bay, and stormwater management in the Commonwealth included.

Wednesday, 7 April 2010

***Session A**- Lunch One - 11:15 – 12:30 pm*

***Session B** - 12:30– 1:45 pm*

Waste

This session will address topics including: Virginia's Overhaul of the Solid Waste Regulations (Amendment 7) DEQ Waste Program Update including RCRA Subtitle C changes.

Presenters

Jeffery Steers, Manager, Office Waste Permitting & Compliance, DEQ
Rick Guidry, Director of Post Collection Operations, DelMarVA market area, Waste Management of Virginia
Robert Dick, Vice President, Landfill Gas, SCS Engineers

***Session C**- 3:45 – 5:00 pm*

Air

Learn up-to-the-minute developments in climate change and greenhouse gas regulation, the new NAAQS standards, the Clean Air Transport Rule, toxics regulation and MACTs, permitting for outer continental shelf, biomass and peak-demand energy projects, and an update on the Virginia General Assembly

Presenters

Michael G. Dowd, Director, Air Quality Division, VA DEQ
Kevin J. Finto, Partner, Hunton & Williams
Kathleen Anderson, Acting Deputy Director of the Air Protection Division, US EPA Region III

Thursday, 8 April 2010

Session D - *10:30 – 11:45 am*

Stormwater

Moderator: Steven P. Herzog, PE; Deputy Director of Public Works, Hanover County

Presenters

Status of Virginia's proposed stormwater management regulations
Lee Hill, Stormwater Management Program Director, DCR
Recent and upcoming Federal regulatory drivers in the stormwater program
Jenny Molloy, Water Permits Division, U.S. EPA

Session E – Lunch One – 12:00 – 1:15 pm

Session F – 1:00 – 2:15 pm

On the waterfront

Learn about the major water quality and quantity issues that DEQ will be dealing with in 2010, including the Chesapeake Bay TMDL, revamped biosolids regulations, CAFO permits, new permitting for pesticides applications, review of local and regional water supply plans, changes to the groundwater permitting program, and more.

Water Quality Initiatives for 2010 - *Ellen Gilinsky, Water Division Director, DEQ*
Water Quantity Initiatives for 2010 - *Scott Kudlas, Director, Office of Surface and Ground Water Supply Planning, DEQ*
Stakeholders Perspective on Virginia Water Supply Planning Efforts - *Andrea Wortzel, Esq., Hunton and Williams*
Results of GA Session and Water Policy - *Jeff Reynolds, Water Policy Manager, DEQ*

Track 2 – Preston Library, Turman Room

Restoring the Chesapeake Bay

Wednesday, 7 April 2010

Although Virginia committed in the *Chesapeake 2000 Agreement* to remove the Chesapeake Bay and its tidal tributaries from the "impaired" waters list by 2010, the Bay remains exposed to excessive nutrients and sediments, widespread algal blooms and dead zones, and declining fisheries resources. Water pollution threatens those industries dependent on a healthy Bay and healthy rivers and streams. Consequently, 2010 marks a turning point in restoration of the Chesapeake Bay; one mandating a new approach and demanding new resources and innovation. This track will provide critical insight into the pending pollution "diet" for the Bay and Watershed Implementation Plan and present an opportunity for stakeholders to offer concerns, questions, and solutions. This track will also offer the latest in techniques and best science for ecological restoration and present a discussion of the role market forces can plan in a clean Bay.

***Session A**- 11:15 – 12:30 pm*

Planning for the Bay TMDL

Moderator: The Honorable Ralph S. Northam, Member, Senate of Virginia
Bay TMDL and Development of State Implementation Plans
Robert A. Koroncai, Chesapeake Bay TMDL Manager, USEPA Region III

***Session B** - Lunch Two – 12:30– 1:45 pm*

***Session C**- 3:45 – 5:00 pm*

Developing Virginia's Watershed Implementation Plan

Moderator: Ann Swanson, Executive Director, Chesapeake Bay Commission
Alan E. Pollock, Manager, Water Quality Programs, DEQ
Russ Perkinson, Assistant Division Director - NPS Programs, DCR

Thursday, 8 April 2010

Session D - *10:30 – 11:45 am*

New approaches and tools for restoring living resources

Moderator: Michele Gomez, USACE – Baltimore District
Fisheries management – *Walter Priest, NOAA Fisheries Restoration Center*
Sediment remediation – *Joe Rieger, Elizabeth River Project*
Emerging contaminants - *Vicki Blazer, Fish Biologist, USGS*

Session E –12:00 – 1:15 pm

Market innovations

Moderator: George Kelly, Director and Founder, EBX
Nutrient credit exchange
Brent Fults, Chesapeake Bay Nutrient Land Trust, LLC (CBNLT)
Benefits of trading for famers, voluntary nitrogen offsets program, and the Chesapeake Fund
Beth L. McGee, Ph.D, Senior Water Quality Scientist, Chesapeake Bay Foundation

Session F – Lunch Two 1:15 – 2:00 pm

Track 3- Center for Leadership and Ethics, Marshall Hall, Shenandoah Room

Strategic Land Conservation

Virginia has placed more land under voluntary perpetual conservation easement after the Land Preservation State Income Tax Credit was passed in 1999 than had been accomplished since the Virginia Open-Space Land Act (Code of Virginia 10.1-1700 et seq.) was enacted in 1966.

Can this momentum to save the natural and cultural heritage lands for which Virginia has long been revered be maintained? Are heritage land resources with the highest conservation values and purposes being appropriately identified and strategically targeted for voluntary land conservation? Will the failure of the Congress to timely reenact preferential tax inducements for conservation easement donations cast a pall on the Virginia land conservation program? Can the holders of the exponentially increased Virginia conservation easement portfolio provide integrity stewardship for the future?

These and other salient and evolving issues pertaining to Virginia land conservation will be the subjects of presentations and interactive discussions as part of the 21st Annual Environment Virginia Symposium. Anyone who cares about the heritage resources we hold in trust for future generations will want to be part of these timely and important discussions.

Wednesday, 7 April

Session A- Lunch One - 11:15 – 12:30 pm

Session B - 12:30– 1:45 pm

The state and future of land conservation and healthy waters in Virginia

Moderator: Michael Lipford, Virginia Executive Director, The Nature Conservancy

What have we accomplished and what are the opportunities and challenges before us?
Bob Lee, Virginia Outdoors Foundation (VOF)

Overview of state and federal healthy watersheds initiative
Laura Gabanski, US EPA

Session C- 3:45 – 5:00 pm

Next steps in strategic land conservation

Moderator: Rupert Cutler, Member, Roanoke City Council

Prioritizing land: mapping and identification of strategic lands
Jason Bullock, Natural Heritage Information Manager, DCR

Protecting smaller parcels
Don Owen, Executive Director, Land Trust of Virginia

Strategic roles of fee-simple acquisition versus conservation
David Fox, Easement Stewardship Coordinator, The Nature Conservancy in Virginia

Thursday, 8 April 2010

Session D - *10:30 – 11:45 am*

Next steps in stewardship of conserved lands

Moderator: Ken McDonough, Assistant General Counsel - Real Estate, American Electric Power Service Corporation

Writing an easement
Mark W. Botkin, General Counsel, Botkin Rose PLC

Monitoring & enforcing the easement- allowable uses
Melissa Collier, VOF Stewardship Manager

Session E – Lunch One – 12:00 – 1:15 pm

Session F – 1:00 – 2:15 pm

Market opportunities for conserved Lands

Conserved land often carries restrictions on allowable uses that can limit opportunities for future revenue generation on that land. Land owners who respect the inherent value of conservation, nonetheless may seek allowable activities that can generate additional revenue. This session presents the newest opportunities available to conservation land owners.

Moderator: Dr. Greg Eaton, Director, Claytor Nature Study Center, Professor of Environmental Science and Biology, Lynchburg College

Presenters

Financing Land Conservation Through the Sale of Carbon and Nutrient Credits

Daniel Patrick O'Connell, President, Evergreen Conservation Finance

Ecosystem Service Markets: Wetland, Stream, and Endangered Species Mitigation Banking

Katherine Birnie, Ecosystem Investment Partners (EIP)

Track 4– George C. Marshall Museum, Pogue Auditorium

Energy Development

Wednesday, 7 April

Session A- 11:15 – 12:30 pm

Surface coal mining

Moderator: W. Lee Daniels, Professor, Dept. of Crop and Soil Environmental Sciences, Virginia Tech

Presenters

Stephen Walz, Director, Virginia Department of Mines, Minerals and Energy

J. Robert Hume, III, Chief, Regulatory Branch, US Army Corps of Engineers – Norfolk District

Session B - Lunch Two – 12:30– 1:45 pm

Session C- 3:45 – 5:00 pm

Off-shore drilling for oil and gas

Moderator: Maureen Matsen, Deputy Secretary of Natural Resources, Commonwealth of Virginia

Presenters

Virginia Lease Sale 220 - Opportunities and Challenges

Michael D. Ward, Executive Director, Virginia Petroleum Council

Securing Energy Supply for a Growing Virginia Economy

Randall Luthi, President, National Ocean Industries Association

Environmental Stewardship and Economic Benefits in Louisana

R. Michael Lyons, General Counsel for the Louisiana Mid-Continent Oil and Gas Association

Thursday, 8 April 2010

Session D - 10:30 – 11:45 am

Wind Projects in Virginia

Moderator: Pieter deHart, Ph. D., Assistant Professor of Biology, Virginia Military Institute

Environmental Assessement on NASA Wallops Island Wind

Joshua A. Bundick, Lead, Environmental Planning, NASA Wallops Flight Facility

Update on Highland New Wind Development Project

Tal McBride, Partner, Highland New Wind Development

Session E –12:00 – 1:15 pm

State gov't role in renewable energy development

Moderator: Karri Atwood, Assistant Attorney General, Commonwealth of Virginia

Presenters

Opportunities for Offshore Wind Energy in State Territorial Waters

Tony Watkinson, Deputy Chief, Habitat Management Division, Virginia Marine Resources Commission

Updates on DEQ permits by rule for renewable energy – wind, solar, and more

Carol Wampler, Regulatory Advisory Panel Group Leader, Virginia Department of Environmental Quality

Session F – Lunch Two –1:15 – 2:00 pm

Track 5 – Center for Leadership and Ethics, Marshall Hall, New Market Room

Viable and Sustainable Farms

Wednesday, 7 April

Session A- 11:15 – 12:30 pm

Growing the local food market: Direct Sales

Moderator: Eric S. Bendfeldt, Extension Specialist, Community Viability, Virginia Cooperative Extension

Presenters

Denise Barrett, Executive Director, Appalachian Sustainable Development, Appalachian Harvest
Libbey Oliver, Market Manager, Williamsburg Farmer's Market

Session B *- Lunch Two – 12:30– 1:45 pm*

Session C- 3:45 – 5:00 pm

Growing the local food market: Wholesale markets

Moderator: Robins Buck, Virginia Department of Ag and Consumer Services

Farm/Crop Production, Processing and Distribution

Moir Beamer, Owner, Virginia Produce

Meat Production, Processing and Distribution

Joe Cloud, Co-owner/General Manager, T&E Meats

Wholesale/Retail Supporting Local AG: A Grocer's Perspective

Mike Tipton, Produce/Floral Director/ K-VA-T Food Stores, Inc.

Thursday, 8 April 2010

Session D - 10:30 – 11:45 am

Growing New Farmers in Virginia

Moderator: Kevin Schmidt, Farmland Preservation Office, Virginia Department of Ag and Consumer Services

Gaining Access to land and financing (examples of long-term leasing)

Tom Stanley, Farm Business Management, Virginia Cooperative Extension and Mr. Buck

Developing skills for new farmers

Kim L. Niewolny, Ph. D., Assistant Professor, Department of Agricultural & Extension Education, Virginia Tech

Session E –12:00 – 1:15 pm

BMP Tracking and Accounting

Accounting for voluntary conservation practices on agricultural lands

The magnitude of the implementation of best management practices (BMPs) needed on agricultural lands to address water quality improvements in the Chesapeake Bay basin and in other waters of the state is very aggressive. In recent years the Commonwealth has demonstrated significant accomplishments with implementing BMPs. Accounting and reporting of these installed BMPs helps demonstrate measureable progress in achieving reductions of nutrients and sediment, and many farmers carry out BMPs voluntarily.

Moderator - Clyde E. Cristman, Finance Committee Staff, Senate of Virginia

Presenters

The Honorable Emmett Hanger, Member, Senate of Virginia
Wilmer Stoneman, Associate Director, Governmental Relations Department, Virginia Farm Bureau Federation
Jack Frye, Director, DCR Division of Soil and Water Conservation

Session F – Lunch Two –1:15 – 2:00 pm

Track 6 – George C. Marshall Museum, Library

Adapting to Climate Change

How vulnerable is Virginia to climate change and how can our state become more resilient? Come find out more about impacts, potential responses, and opportunities for economic growth through adaptation. This track will bring together climate response leaders from the public and private sectors to provide insights and examples of how and why Virginia should adapt to climate change.

Wednesday, 7 April

Session A- Lunch One - 11:15 – 12:30 pm

Session B - 12:30– 1:45 pm

State of the Science and Public Perceptions

Moderator: Paula Jasinski, NOAA Chesapeake Bay Office
Climate Change Science and Politics
Christopher Pyke, Ph. D., Green Bldg Council
Engaging the Public on Climate Issues
Diana Christopulos, Ph. D., Roanoke Valley Cool Cities Coalition

Session C- 3:45 – 5:00 pm

Ecological Impacts

Moderator: David Whitehurst, Director, Bureau of Wildlife Resources, Virginia Department of Game and Inland Fisheries
Ocean Acidification
Debbie Bronk, Ph. D., Virginia Institute of Marine Science
Ecosystem Management in the Central Appalachians
Thomas Minney, The Nature Conservancy

Thursday, 8 April 2010

Session D - *10:30 – 11:45 am*

Economics Impacts

Moderator: Kevin Baird, Roanoke Cement
Economics of Adaptation Planning
Jerry W. Sparks, P.E., CFM , Vice President, Dewberry & Adam Hosking, Halcrow
Multiple Benefits of Taking Adaptive Actions
David Catarious, Ph. D., Analyst and Program Director, Military Advisory Board, CAN

Session E – Lunch One – 12:00 – 1:15 pm

Session F – 1:00 – 2:15 pm

Local Government Responses

The challenges of adapting to the influences of climate change will be most felt at the local government level. Across the coastal zone of Virginia, localities will have to make difficult choices for public health, future land use, emergency management, and engineering solutions to prepare their communities for inundation from sea level rise and storm surge.

This interactive session will begin with a brief introduction of case studies from the Hampton Roads region and a toolbox of existing adaptation options available at the local level. Participants will engage in a dialogue sharing their insights and ideas for how to prime Virginia's coastal communities in a manner that balances human protection and risk reduction with natural resource sustainability.

This conversation initiates a lasting dialogue, where ideas will be flushed out more through subsequent workshops, conferences, and local and state-wide conversations. The results will include a better understanding of options that exist, ideas for new engineering solutions, additional legislation that may be required and ultimately a solid set of choices for localities to consider as they prepare Virginia's coastal communities for climate change.

Moderator: Laura Grape, Senior Environmental Planner, Northern Virginia Regional Commission
Assisting localities develop adaptation plans
Skip Stiles, Wetlands Watch
Planning for climate change in HRPDC
Eric Walberg, Hampton Roads Planning District Commission

Track 7 – Center for Leadership and Ethics, Marshall Hall, Boardroom

(Re-)Development

Redevelopment is one of the most hotly debated topics in the environmental arena. How do we balance the desire to keep Virginia's cities and towns vibrant and economically viable with clean water and other environmental goals? How do we encourage redevelopment and smart growth but continue to make progress on Chesapeake Bay clean-up? This track will address these questions by touching on a number of related topics—the use of LEED standards in the redevelopment of existing buildings, the common vision behind stormwater retrofits at Virginia's Capitol, the potential for alternative on-site systems in development, and the challenges facing Virginia's localities as they tackle stormwater mandates at the local level.

Wednesday, 7 April

Session A- 11:15 – 12:30 pm

Retrofits for the Built Environment: Greening Existing Buildings

Virginia, like many states, now requires that new state construction meet LEED standards and it is becoming best practice to achieve LEED standards in existing buildings retrofits. . Many local governments are following suit. Two experts in redevelopment, historic rehabilitation, and sustainable design practices demonstrate why and how it makes good economic and environmental sense to renew existing buildings and preserve historic character.

Moderator: Kathleen S. Kilpatrick, Director and State Historic Preservation Officer, Virginia Department of Historic Resources

Presenters

Thomas R. Whitmore, LEED, AP. AVS, Project Executive, The Christman Company, Mid Atlantic Office, Alexandria, Virginia

Carter B. Green, AIA, LEED AP, Senior Architect and Project Manager, Frazier Associates, Staunton Virginia

Session B - Lunch Two – 12:30– 1:45 pm

Session C- 3:45 – 5:00 pm

Retrofits for the Built Environment: Reducing Stormwater

One of the most effective things we can do to improve water quality treatment and water quantity control is update our existing infrastructure to better handle and treat stormwater runoff in our urban environments. However, this often proves to be an overwhelming venture and one that is marked with many impediments, such as; design and construction costs, short and long-term maintenance issues, and local education/outreach or lack of political will, regarding the need for such costly improvements. This session will show you how the City of Richmond, the Department of Conservation and Recreation, the Department of General Services, and many other key participants have partnered to achieve a common vision of retrofitting Virginia's Capitol and surrounding streets to reduce runoff and phosphorus pollution.

Moderator: Nissa Dean, Regional Manager, DCR Richmond Regional Office

Greening Virginia's Capitol - From Idea to Reality, A Collective Vision Comes to Fruition - *Chris Sonne, PE, LEED AP,* Environmental Engineer, Civil Engineering Services, Inc

Greening Virginia's Capitol - Alleys and Streets, Green roofs and Raingardens, The City of Richmond's Vision for a Livable Community - *Michelle Virts,* Deputy Director, City of Richmond DPU Stormwater Utility Program

Thursday, 8 April 2010

Session D - 10:30 – 11:45 am

Alternative On-site Sewage Systems: Managing for Sustainable Development

Moderator: Allen Knapp, Virginia Department of Health

Presenters

Colin Bishop, Bord na Mona, Environmental Products, U.S., Inc.
Todd Benson, Fauquier County Field Officer, Piedmont Environmental Council
Merle Fallon, Fallon, Myers & Marshall, LLP

Session E –12:00 – 1:15 pm

Managing Stormwater Mandates at the Local Level

Managing urban stormwater is one of the most challenging environmental issues facing Virginia. Much of the work to tackle this challenge will be done at the local level. During the past five years Virginia has been updating regulations, policies, and guidance documents related to stormwater management and erosion and sediment control at an unprecedented pace. Not only have Virginia's localities been tasked with eventually implementing these regulations, but they will also be responsible for compliance with what are likely to be more stringent municipal stormwater permits subject to increasingly tougher federal enforcement.

Moderator: Lisa M. Ochsenhirt, Esq., AquaLaw PLC

New Development & Redevelopment - *Steven P. Herzog, PE; Public Works, Hanover County*
Existing Development - *Kate Bennett, Stormwater Planning Division, Fairfax County*

Session F – Lunch Two –1:15 – 2:00 pm

Tuesday, 6 April

Pre-Symposium Workshops

10:00 am – 3:30 pm

James River: Resource Management Framework and Future challenges

Preston Library, Turman Room

The purpose of this workshop is to help establish a direction for moving forward to address: (1) how to reconcile local plans in the James River Watershed; (2) developing a collaborative planning approach for the James River watershed involving full stakeholder participation; 3) opportunities and need for water storage projects within the James River watershed; and (4) consider a possible path for a comprehensive basin-wide plan/study. This workshop follows up on a 2009 meeting, "Collaborative Planning: Comprehensive James River Basin-Wide Water Resource." Background materials from that meeting can be viewed at Participants in this workshop can earn Continuing Education Units.

9:30 – 10:00 am	**Registration**
10:00 – 10:05 am	**Welcome** CAPT Susan Rabern, USN (Retired), Acting Director, VMI Center for Leadership and Ethics
10:05 – 10:15 am	**Purpose and goals for workshop** Andrea W. Wortzel, Counsel, Hunton & Williams LLP
10:20 – 10:35	**Working Collaboratively** COL Andrew W. Backus, Commander, Norfolk District, US Army Corps of Engineers
10:40 – 12:00	**Water Supply Planning and Off-line Storage**
10:40 – 11:00 am	***Introduction and overview*** William E. Cox, Professor of Civil and Environmental Engineering, Virginia Tech
11:00 – 11:40 am	***Comments*** Mark Mansfield, Chief, Planning and Policy Branch, Norfolk District, USACE Scott Kudlas, Director, Office of Surface and Ground Water Supply Planning, DEQ John Kaufman, Fisheries Biologist, Virginia Department of Game and Inland Fisheries
11:40 – 12:00 pm	Discussion
12:15 – 1:00	***Luncheon* - Goals of Water Supply Planning in Virginia from the Water Commission's Perspective** The Honorable David L. Bulova, Member, Virginia House of Delegates, 37th District
1:00 – 2:00 pm	**Planning Efforts Underway and Issues** ***Middle James*** - Robert C. Steidel, Deputy Director, Public Utilities, City of Richmond ***Lower James*** - John H. Carlock, Deputy Executive Director, Hampton Roads PDC ***Upper James*** - Timothy Mitchell, Director of Utilities, City of Lynchburg, Upper James
2:00 – 2:15 pm	**Lessons from the Potomac River Basin** Joseph K Hoffman, Executive Director, Interstate Commission on the Potomac Basin
2:20 – 3:15 pm	**Path forward** - facilitated discussion

3:15 – 3:30 **Closing Remarks**
Rick Weeks, Deputy Director, Virginia Department of Environmental Quality
Jeff Reynolds, DEQ, Scribe

Pre-Symposium Workshop

Tuesday, 6 April, 10:00 am – 3:30 pm

Making Virginia a "Green Jobs Zone"

Moody Hall, Boardroom (2nd floor)

This workshop will provide localities, businesses, and entrepreneurs with tools and resources to help Virginia become a "Green Jobs Zone." Learn the latest about state and federal incentives to help grow businesses and create green jobs such as: suppliers, manufacturers, installers and construction contractors for solar, wind, or biomass products and services, energy-efficiency products and services, pollution management systems and production of alternative transportation fuels.

9:30 – 10:00 am **Registration**

10:00 – 10:05 am **Welcome**
Christie-Joy Hartman, PhD, CEM, Executive Director, Institute for Stewardship of the Natural World, James Madison University

10:10 – 11:00 am **Priorities and Strategies of the McDonnell Administration for Growing Green Jobs**
The Honorable James Cheng, Virginia Secretary of Commerce and Trade

11:05 am – 11:45 am **Valley 25x'25: Sustaining and Creating Green Economy in the Shenandoah Valley**
Jeffrey Tang, Assistant Professor, Integrated Science and Technology, James Madison University and Sharon Johnson, CPLP, CPT, CWDP, Director, Regional Workforce Development/Director, Shenandoah Valley Energy Partnership

12:00 – 1:00 pm **Luncheon**
"The other "green": How to profit from starting a green business."
Elizabeth White Baker, PhD, Assistant Professor of MIS and Entrepreneurship, VMI
And "Green Economics: The economic value of green businesses and jobs." Robert Moreschi, PhD, Professor of Finance, Department of Economics and Business, VMI

1:15 – 2:25 pm **Green Jobs – What's Happening Next Door? Case Studies of NC and TN**
Maria Kingery, Co-founder, Southern Energy Management

2:30 – 3:30 pm **Education & Certifications for Green Jobs**
Trenton Hightower, Asst. Vice Chancellor, Virginia Community College Systems-Workforce Development Services and Randall Gilliland, Chairman of Green Jobs Alliance/V.P. of SENCON

Pre-Symposium Workshop

Tuesday, 6 April, 10:00 am – 3:30 pm

George C. Marshall Foundation, Pogue Auditorium

Achieving Environmental, Security and Efficiency Goals: with Performance Contracting and Integrated Management Systems

Governor McDonnell's Environmental Mandate, President Obama's Executive Orders & Best Practices for Implementing Sustainability Plans

9:30 – 10:00 am	*Registration*
10:00 – 10:15 am	**Welcome and Introduction** *Moderator: Mike Penders; The Atlantic Sustainability Consortium (ASC)*
10:15 – 11:15 am	**Implementing Executive Order 13504 at Military Bases and other Federal Facilities:** Moderator: Harry Gregori (ASC) Speakers: ***John Paul Woodley*** (Former VA Secretary of Natural Resources, US DOD Assistant Secretary of the Army COE); ***Alex Beehler*** (former Deputy Undersecretary of DOD for Environment and Installations; ***Jimmy Parish***, DOD participant in Virginia Regional Environmental Management System (VREMS)
11:15 – 12:15 pm	**Best Practices for Planning and Implementing Sustainability Plans at Universities and State Facilities** *Moderator: Bob Kerr (ASC);* *Speakers will be University Representatives from JMU; UVA; VCU; Radford U;* ***Sandy Morse****, ECPI College of Technology*
12:15 – 1:00 pm	Lunch
1:00 – 2:00 pm	**Best Practices**: **Performance Contracting** and **Governor McDonnell's Executive Order:** Moderator: Larry Schoff (ASC) Speakers: ***Daryl Bishop***, Pepco Energy Services; Virginia Tech; VKI Engineering, Rutgers University.
2:00 – 3:15 pm	**President Obama's Executive Orders, DHS PS-Prep and CFATS programs, Integrated E, E, H, S, and Security Management Systems and Standards** *(ISO 20000; ISO 28000; ISO 30000)* Moderator: Mike Penders (ASC) Chair, ABA Section of Environment, Energy, and Resources, Homeland Security Committee; Speaker: ***Chris Dott****, Micron;* ***Roger Viadero****, Former USDA Inspector General; Radford Army Munitions Base; White House CEQ*
3:15 – 3:30 pm	Discussion

For more information and to register, visit, http://www.vmi.edu/show.aspx?tid=27299&id=4294970036

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Special DEQ Meeting

Tuesday, 6 April 2010, 2:00 – 5:00 pm

Moody Hall, Activities Room (1st Floor)

Development of Waste-to Energy in Virginia:
Reducing Regulatory Roadblocks while Protecting Natural Resources

Meeting Summary

The Commonwealth is on the cusp of advancing waste-to-energy projects that will utilize existing and new technologies. How do we enable Virginia to be a successful leader in waste-to-energy production while protecting natural resources? How does Virginia promote the development of technology and implementation of long term projects while insure a sound permitting process. The Department of Environmental Quality is embarking on a process to solicit stakeholder input to 1) identify regulatory barriers; 2) brainstorm innovative short term and long term solutions; and 3) develop a long term communication process going forward.

Overview of the issues and need for stakeholder input
Jeffery Steers, Director, Office of Waste Permitting and Compliance, VADEQ
Presentation on Waste-to-Energy Facility Permitting: Perception and Science
Richard Hergenroeder, P.E. Director Environmental Science & Community Affairs, Mid-Atlantic Region, Covanta Energy Corporation, Harrisburg, PA
Stakeholder input and group discussion
Facilitated by Jeffery Steers and Carol Wampler- VADEQ