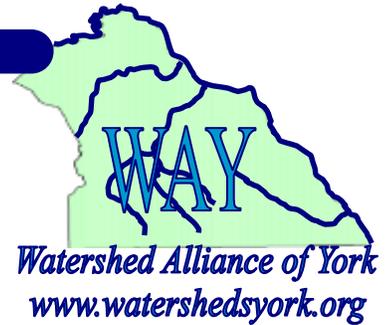


**WAY E-NEWS**

*A coalition of stakeholders committed to being innovative leaders  
encouraging watershed-based planning, restoration and protection*



February 28, 2011

A PUBLIC-PRIVATE PARTNERSHIP

Volume 11, Issue 5

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**WATERSHED CONTACTS**

**COUNTY PLANNING – (717) 771-9870**  
**CONSERVATION – (717) 840-7430**

- Agricultural conservation planning
- Environmentally sensitive dirt & gravel road maintenance
- Environmental stewardship and watershed protection
- Erosion & sediment control
- Stormwater complaints

**24-HR EMERGENCIES – (877) 333-1904**

- Chemical and oil spills from transport trucks, trains and industrial facilities

**ENVIRONMENTAL – DEP-SCRO**

- General Info 717-705-4700
- Director SCRO 717-705-47047
- Air Quality 717-705-4702
- Energy & Technology 717-705-4703
- Environmental Cleanup 717-705-4705
- Mining (800) 541-2050
- Radiation Protection 717-705-4704
- Waste Management 717-705-4706
- Water Supply Management 717-705-4708
- Water Management 717-705-4707
- Watershed Management 717-705-4704

**FISHERIES – (800) 541-2050**

- Wildlife (fish, reptiles, amphibians) nuisance problems or to report violations

**GAME & WILDLIFE – (888) 742-8001**

- Wildlife (mammals or birds) to report violations or nuisance problems

**ILLEGAL DUMPING**

- Illegal dumping on state forest and park lands (877) 772-3673

• Illegal dumping York County 840-7687

**MUNICIPAL (Phonebook Blue Pages)**

- Air pollution by burning household garbage
- Dumping waste in surface waters
- Floodplain disturbances
- Municipal and residential septic/sewage problems
- Stormwater management

**NOXIOUS PLANTS – (717) 772-5209**

**RECYCLING – (717) 845-1066**

**WETLANDS – (717) 249-2522**

*Updated 8/17/2010*

## WATERSHED ALLIANCE NEWS

### **Ag Land Preservation Board of York County** – [www.york-county.org/gov/AUTH/agri.htm](http://www.york-county.org/gov/AUTH/agri.htm)

<> For information about farmland preservation in York County contact Patty McCandless at [pmccandless@york-county.org](mailto:pmccandless@york-county.org) or call 717-840-7400.

### **Carroll Citizens for Sensible Growth** - <http://carrollcitizens.com/>

<> Contact: Deana Weaver at (717) 432-2211 or [admin@carrollcitizens.com](mailto:admin@carrollcitizens.com)

### **Codorus Creek Watershed Association** – [www.codoruscreek.net](http://www.codoruscreek.net)

• Apr 11 – CCWA Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)

<> Contact: Jim Leaman at 843-2929

### **Codorus Endowment Implementation Committee** – [www.yccf.org](http://www.yccf.org)

• An advised fund of York County Community Foundation, the Codorus Watershed Endowment (CWE) is a substantial source of charitable support for the stream's improvement and the benefit of the many York Countians who use and enjoy this critical resource - for agriculture, industry, recreation and wildlife, and for drinking water and other municipal purposes. The Endowment was created in December, 2001, with the Foundation's receipt of a \$2 million payment from Glatfelter of Spring Grove, PA, as part of a consent decree settling litigation. A committee of respected environmental, business, and civic leaders has been appointed to lead projects supported by the Endowment.

<> For more information, contact the York County Community Foundation at 14 West Market Street York, PA 17401-1203. Telephone: York 717.848.3733; Hanover 717.630.1843. Email: [info@yccf.org](mailto:info@yccf.org)

### **Codorus State Park** – [www.dcnr.state.pa.gov](http://www.dcnr.state.pa.gov)

### **Conewago Canoe Club** – [www.conewagocanoecub.org](http://www.conewagocanoecub.org)

• Mar. 3 – Club Meeting – Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville

• Red Lion High School Paddling Instruction Schedule online

<> Questions or comments e-mail me [oc1mike@comcast.net](mailto:oc1mike@comcast.net), but remember you catch more flies with honey than vinegar.

### **Deer Creek Watershed Association** – <http://deercreekwatershed.com/>

<> Contact Lee McDaniel at [ldmcdaniel@aol.com](mailto:ldmcdaniel@aol.com).

### **Farm & Natural Lands Trust of York County** – [www.farmtrust.org](http://www.farmtrust.org)

<> Contact: Sean Kenny at Farm & Natural Lands Trust of York County • 156 North George Street • Suite 300 • York, PA 17401 • Phone (717) 843-4411 • Fax (717) 854-7452 or [skenny@farmtrust.org](mailto:skenny@farmtrust.org)

### **Friends of Codorus State Park** – [www.friends-of-codorus.org/](http://www.friends-of-codorus.org/)

• March 19 – Spring Fling– Hanover Elks

<> For more information contact Becky Miller at 632-6747 or email [beckymill1@juno.com](mailto:beckymill1@juno.com) or Dave Carbaugh at 637-9875 or email [carbaugh3@embarqmail.com](mailto:carbaugh3@embarqmail.com)

### **Gifford Pinchot State Park** – [www.dcnr.state.pa.us/stateparks/parks/giffordpinchot.aspx](http://www.dcnr.state.pa.us/stateparks/parks/giffordpinchot.aspx)

• Event calendar <http://www.dcnr.state.pa.us/Calendar/list.asp>

<> Contact Elizabeth Kepley, Environmental Education Specialist, DCNR Bureau of State Parks/Gifford Pinchot State Park, 2200 Rosstown Road, Lewisberry, PA 17339. Phone: 717-432-5011

### **Gunpowder Valley Conservancy** – [www.gunpowderfalls.org](http://www.gunpowderfalls.org)

<> TO VOLUNTEER OR REGISTER FOR FREE or for more information contact Peggy Perry, Program Director for Gunpowder Valley Conservancy at 410-668-0118 or email [little-owl@msn.com](mailto:little-owl@msn.com).

### **Horn Farm Center for Agricultural Education** – [www.hornfarmcenter.org](http://www.hornfarmcenter.org)

• Get involved with the Center! We are looking for Board and Committee members and Center volunteers who have the drive and desire to help move this exciting project forward. If you would like to help, please call or contact: Horn Farm Center 4945 Horn Road York, PA 17406 Phone: (717) 757-6441 Email: [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org) If you're interested in: History, Education, Agriculture, Preservation.....then the Horn Farm Center is the place for you!

<> Contact: Horn Farm Center for Agricultural Education, 4945 Horn Road, York, PA 17406. Phone: (717)654-0571. Email: [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org). Web: [www.hornfarmcenter.org](http://www.hornfarmcenter.org).

### **Izaak Walton League York Chapter #67** – [www.yorkchapter67iwla.org/](http://www.yorkchapter67iwla.org/)

• Calendar of events – [www.yorkchapter67iwla.org/id21.html](http://www.yorkchapter67iwla.org/id21.html)

• Club Open Meetings are held the Third Tuesday of each month at 7pm in the Clubhouse.

<> Contact: York Chapter #67 IWLA, 7131 Ironstone Hill Road, Dallastown, PA 17313. Club Grounds Phone: 717-428-2000 \*Leave a message for the Committee Contact or Club Officer you are trying to reach. Committee Contacts & Club Officers are listed on the Club Information Page. If no phone or email address is listed contact club grounds phone number.

**Lower Susquehanna Riverkeeper** – [www.lowersusquehannariverkeeper.org](http://www.lowersusquehannariverkeeper.org)

- We always need your help to keep this work going. We don't take money from the government, as many people think. Without you, SOLS does not exist. To me, there is nothing more American than this, I don't care what your political affiliation may be. The Keith Campbell Foundation for the Environment continues to be an amazing supporter of our work! They will DOUBLE MATCH every dollar you give. A \$50 family membership means \$150 will be contributed to continue this important work. Your contributions, and the fact that we are in our sixth year, prove that you agree that this is some of the most important work we can be doing for our families and all future generations. You can contribute on line through Paypal, or print out a membership form at <http://www.lowersusquehannariverkeeper.org/donate.html> . We look forward to partnering with you for a very productive year for SOLS, the Lower Susquehanna RIVERKEEPER®, and, most importantly, our waterways and communities. From the Mighty Susquehanna, Michael R Helfrich, Lower Susquehanna RIVERKEEPER®

<> Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: [lawsusriver@hotmail.com](mailto:lawsusriver@hotmail.com).

**Maryland's Upper West Shore Trib Team** – [http://www.dnr.state.md.us/bay/tribstrat/upper\\_west/up\\_west\\_shore.html](http://www.dnr.state.md.us/bay/tribstrat/upper_west/up_west_shore.html)

- A reminder of our upcoming meeting, this coming Monday Feb. 14, 2011. Focus will be "Wade-In Planning". The meeting is NOT at Arlington Echo but Harford Glen! March 18, 2011, Harford County Arlington Echo Environmental Education Center, 502 W. Wheel Road, Bel Air, MD 21014; For directions see [www.hcps.org/harfordglen](http://www.hcps.org/harfordglen)

<> Contact: Mike Bilek, Tributary Team Coordinator, MD DNR, Tawes Office Building, Annapolis, MD 21401. Ph: 410-260-8988. E-mail: [mbilek@dnr.state.md.us](mailto:mbilek@dnr.state.md.us)

**Mason-Dixon Trail System, Inc.** - <http://www.masondixontrail.org/>

<> Contact: James Hooper at 717/252-3784 or [j.e.hooper@ieee.org](mailto:j.e.hooper@ieee.org)

**Mid-Atlantic Ecological Landscapes Partnership [MAEscapes]** – [www.maescapes.org](http://www.maescapes.org)

- Please mark your calendars and join us to get the garden ready for Spring. Times may change, if the weather really warms up we can start earlier in the morning. Patt
  - April 5, Tues, 10 AM potting for plant fest
  - April 7, Thurs, rain date for potting
  - April 8, Fri, clean up 10 AM
  - April 16 Sat, clean up 10 AM
  - April 20, Weds, cleanup 5 PM
  - April 30, Sat, 9 AM

- Apr 25 – Advisory Board meeting, 6:30 pm, York County ANNEX

<> Contact: 717-840-7408 or Connie Schmotzer at [cxs51@psu.edu](mailto:cxs51@psu.edu)

**Peach Bottom Concerned Citizens Group Inc.** - [www.pbccg.com](http://www.pbccg.com)

<> Contact Maria Payan by email [pbccg@hotmail.com](mailto:pbccg@hotmail.com) or mail: Peach Bottom Concerned Citizens Group, P.O. Box 307 Delta, PA 17314. PBCCG, Inc is a nonprofit organization supported solely by volunteers and donations.

**Prettyboy Watershed Alliance** – [www.prettyboywatershed.org](http://www.prettyboywatershed.org)

- Become a PWA Member: Support PWA programs and activities to preserve our watershed.

<> Contact: Nancy Shaper at [nshaper@ihmi.edu](mailto:nshaper@ihmi.edu)

**Sierra Club – Gov. Pinchot Group of PA** – <http://pennsylvania.sierraclub.org/pinchot/>

- Monthly meetings will be held the last Tuesday of the each month at 6:30 pm in the Community Room at the Giant at 2300 Linglestown Rd, Harrisburg, PA 17110. All members are welcome!

<> Kim Anderson at [sgfornyc@aol.com](mailto:sgfornyc@aol.com).

**Spoutwood Farm Center for Sustainable Living** – [www.spoutwood.com](http://www.spoutwood.com)

- Board of Directors meeting January 28, 2011, 7:00 PM, at the farm

<> Contact Rob & Lucy Woods at Spoutwood Farm at 717-235-6610 or [spoutwood@comcast.net](mailto:spoutwood@comcast.net).

**Susquehanna Gateway Heritage Area** - <http://www.susquehannaheritage.org/>

- We are currently developing our 2011 Calendar of Events. The following events have been scheduled:
  - Wednesday, April 13 - Susquehanna Heritage Lecture Series - 6:30pm Rocks and Mining History along the Lower Susquehanna River, Presented by Jeri Jones, Jones Geological Services
  - Saturday, April 23 - Guided walking tour - Shenk's Ferry Wildflower Preserve - Lead by Mark Arbogast, Park and Recreation Expert - 10am-11:30am

Questions? Please contact Marie Cartwright, Outreach & Communications Coordinator [mcartwright@susquehannaheritage.org](mailto:mcartwright@susquehannaheritage.org) or 717-252-0229 ext. 4

- SGHA is pleased to announce the launch of our new membership program. If you are interested in helping support our work as a Heritage Area, or for more information about the membership program, visit our website [www.SusquehannaHeritage.org](http://www.SusquehannaHeritage.org) or click here <http://www.susquehannaheritage.org/SGHAMembership.asp>.

<> Contact Mark Platts, Susquehanna Heritage Corporation, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: [info@lyhr.org](mailto:info@lyhr.org).

**Susquehanna Greenway Partnership** – [www.susquehannagreenway.org](http://www.susquehannagreenway.org)

<> For more information about the Susquehanna Greenway, please contact: The Susquehanna Greenway Partnership, 201 Furnace Road, Lewisburg, PA 17837. Phone: 570-522-7211. Email: [greenway@susquehannagreenway.org](mailto:greenway@susquehannagreenway.org)

**Trout Unlimited Codorus Chapter #558** – [www.codorustu.org](http://www.codorustu.org)

- Mar 9 – Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Gander Mtn. (winter)
- <> Contact: Tom Finenze at 840-1372 or [tom@codorustu.org](mailto:tom@codorustu.org). Cancellations due to winter weather will be announced here, and on WSBA Radio, 910 AM.

**Trout Unlimited Muddy Creek Chapter #575** – <http://muddycreektu.org/>

- Mar 16 – Chapter Meeting at [Collinsville Fish & Game](#)
- <> Contact: Ron Heuston, President MCTU, 244-1851 or [Heuy1955@aol.com](mailto:Heuy1955@aol.com)

**Watershed Alliance of Adams County** – <http://www.adamswatersheds.org/>

- Meet the 3rd Wednesday @5pm.
- <> Contact: Adam McClain, Ph: 717-334-0636; E-mail: [stilden@adamswatersheds.org](mailto:stilden@adamswatersheds.org)

**Watershed Alliance of York** – [www.watershedsyork.org](http://www.watershedsyork.org)

- Apr. 6 – Annual Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.
  - GoodShop Deals for WAY - <http://www.goodsearch.com/goodshop.aspx>
  - WAY E-News – Published by the Watershed Alliance of York, Inc. to inform the public about news and information that affect York County watersheds and beyond. PLEASE SHARE WITH YOUR MEMBERSHIP AND E-MAIL LIST. Contributions of news, events and information relating to watershed education, funding, planning, restoration, protection, and stewardship welcome. Send contribution to and contact us for mailing list additions/changes to the e-mail address below. Distribution: electronic (1,850). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
  - You can make [www.goodsearch.com](http://www.goodsearch.com) and be sure to enter WAY as the charity you want to support.
- <> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: [gpeacock@yorkccd.org](mailto:gpeacock@yorkccd.org)

**Wecology – NEW!**

**Yellow Breeches Watershed Association** – [www.ybwa.org](http://www.ybwa.org)

- <> Contact: Deborah Goetz, at [deborah.p.goetz@gmail.com](mailto:deborah.p.goetz@gmail.com) or phone 717-697-4734

**York-Adams Regional Smart Growth Coalition** – [www.yorkadamssmartgrowth.org](http://www.yorkadamssmartgrowth.org)

- <> Contact Shanna M. Wiest, Government Affairs Director, REALTORS Association of York & Adams Counties, Inc. 901 Smile Way York, PA 17404. Phone: (717) 843-7891. Fax: (717) 854-0720. <http://www.rayac.com>

**York Audubon Society** – <http://www.yorkaudubon.org/>

- Monday, February 14, 2011: Donald and Marion Wilson present “Our Best Pictures”
  - Monday, March 14, 2011: Harry Campbell presents “From Pennsylvania to the Bay: Challenges and Solutions for Restoring Our Streams and the Chesapeake”
- <> Contact Tom Smith at 717-246-9767 or [tjs35@psu.edu](mailto:tjs35@psu.edu).

**York County Conservation District** – [www.yorkccd.org](http://www.yorkccd.org)

- Board meets 2nd Friday, 11:30 a.m. (December-March) and 2nd Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
  - Rain Barrel Sale! Visit our website for more information and prices.
- <> Contact: YCCD at 717-840-7430 or [yorkccd@yorkccd.org](mailto:yorkccd@yorkccd.org)

**York County Parks & Recreation** – [www.YorkCountyParks.org](http://www.YorkCountyParks.org)

- Featuring 11 parks and approximately 4,300 acres, the York County Department of Parks and Recreation awaits your visit. Trails, lakes, pavilions, streams, and creatures of all kinds eagerly look forward to seeing you. So bundle up, pack some hot cocoa, and bring the family out to hike the trails, sled on the hills, watch the stars, and breathe in the crisp, fresh air of the New Year.
- <> For more information, contact York County Department of Parks and Recreation, 400 Mundis Race Road, York PA 17406-9721. Phone: (717) 840-7440. E-mail: [Parks@York-County.org](mailto:Parks@York-County.org). Web: [www.YorkCountyParks.org](http://www.YorkCountyParks.org). Nixon Park Nature Center, 5922 Nixon Drive • York PA 17403. Phone: (717) 428-1961. E-mail: [NixonCountyPark@york-county.org](mailto:NixonCountyPark@york-county.org).

**York County Planning Commission** – [www.ycpc.org](http://www.ycpc.org)

- Meets 1st Tuesday at 7:30 p.m., except Wed. Nov. 1 at 7:30 and Tues. Dec. 1, 6:00 p.m., at 28 E. Market St., 2nd Floor.
- <> Contact YCPC at 717-771-9870 or [planner@ycpc.org](mailto:planner@ycpc.org)



## **WATERSHED EDUCATION & OUTREACH**

**Bay Pollution Diet Starts in York!**

Ostara has developed a new generation of wastewater treatment systems – a nutrient recovery solution that creates value from waste by recovering nutrients from wastewater and transforming them into revenue-generating, environmentally-friendly commercial fertilizer. By recovering phosphorus and other essential nutrients, Ostara improves the financial and operational efficiency, and the environmental sustainability, of wastewater treatment facilities. Watch video... <http://www.ostara.com/>

### **Survey Finds More Baby Oysters in Chesapeake Bay**

February 2011 – The number of baby oysters in the Maryland portion of the Chesapeake Bay is at its [highest level since 1997](#) , and more young oysters appears to be surviving the effects of diseases, according to a recently completed survey by the Department of Natural Resources (DNR). Since 1939, Maryland has monitored the status of the oyster population through annual field surveys. The surveys track three critical components of the oyster population: reproduction levels, disease infection levels and annual mortality rates. The two-month 2010 fall population assessment covered 260 oyster bars and 399 samples throughout the Bay and its rivers. Scientists found 80 baby oysters (called spat) per bushel – about five times the 25-year average of 16. “The increased spat set is an immediate asset to Maryland’s expanded sanctuary program,” said DNR Fisheries Director Tom O’Connell. “These protected oysters will grow and reproduce, contributing more oysters to the Bay’s sanctuary and surrounding aquaculture and public fishery areas, and providing important ecological benefits such as water filtration and reef habitat.” Read more... [http://www.chesapeakebay.net/news\\_mdoysterspat11.aspx?menuitem=56084](http://www.chesapeakebay.net/news_mdoysterspat11.aspx?menuitem=56084)

### **Our Bay: Surveys offer different views on taxes, regulations**

*The Capital Online* – A pair of polls issued this week offered differing conclusions on Marylanders' willingness to accept new taxes and regulations in order to improve the health of the Chesapeake Bay. A poll commissioned by the nonprofit Chesapeake Bay Trust found the majority of respondents supported more environmental regulation, including the new bay "pollution diet." The bay trust's poll found 73 percent of the 1,005 respondents supported the pollution diet. Another 16 percent opposed the diet and 11 percent weren't sure. When asked more generally about government intervention to help the bay, 61 percent said more government regulations are needed, 22 percent prefer incentives and voluntary actions and 10 percent suggested a combination of regulations and incentives is best. But another poll, this one from the Maryland State Builders Association, showed much less support for government involvement in reducing water pollution. In the builders' poll, 802 registered voters were asked which should be a higher priority for the governor: Creating jobs or reducing pollution to the Chesapeake Bay. A total of 83 percent chose jobs over cutting pollution. The question also was asked another way: Whether the environment should be given priority even if it slows the economy, or whether economic growth should be given priority even if it may harm the environment. In that case, 57 percent of respondents chose the economy, 33 percent chose the environment and 10 percent gave no answer. The polls also diverged on whether Marylanders are willing to pay more to help the bay. The Chesapeake Bay Trust's survey asked about a proposal that state lawmakers are considering that would force each county to establish a tax or fee to raise money for battling stormwater pollution. Just shy of half of respondents - 49 percent - said they strongly support or somewhat support a stormwater tax. And 40 percent said they either somewhat oppose or strongly oppose. Support for the stormwater tax jumped to 71 percent when respondents were told the tax would be enacted across the state, the money would stay in local communities and it would create jobs. The Maryland State Builders Association's survey didn't mention a stormwater fee by name, but did ask whether respondents would be willing to pay more to help the environment. More than half - 53 percent - said they were not willing to pay any more fees or taxes for the bay. About 27 percent would pay up to \$100 more, 8 percent would pay between \$100 and \$249, 3 percent would pay between \$250 and \$500 and 2 percent would pay more than \$500. The only common question from the polls that elicited similar responses dealt with regulating fertilizer use on lawns, which is frequently considered by state lawmakers and local officials. The Chesapeake Bay Trust survey found 80 percent supported and 15 percent opposed such regulation. The Maryland State Builders Association survey found 65 percent supported and 29 percent opposed further regulations on fertilizer. Respondents to the bay trust survey were optimistic that the Chesapeake Bay's health can be restored, with 85 percent saying it's possible. Twelve percent said water pollution problems are too difficult to fix. "There's a great deal of concern and care about the issue and optimism that it can be fixed," said Allen Hance, director of the Chesapeake Bay Trust. The Chesapeake Bay Trust poll was conducted in late December by OpinionWorks. It has a margin of error of plus or minus 3.1 percent. The bay trust is a nonprofit organization that uses proceeds from "Treasure the Chesapeake" license plates, tax return checkoffs and other donations to issue grants for environmental projects and education. The Maryland State Builders Association poll was conducted by Gonzales Research & Marketing in January. It has a 3.5 percent margin of error. The builders association represents home builders in the state.

### **Report Finds Smart Growth Boosts Home Values, Sales Prices**

According to Market Acceptance of Smart Growth, a recent EPA report, smart growth communities achieve higher residential sale prices and value per square foot than conventional suburban developments. The study evaluated 18 smart growth developments and 18 conventional suburban developments in 8 states between 1998 and 2004. Approximately 80 percent of the smart growth housing developments sold for higher average prices per square foot in the comparisons conducted. The study also found that smart growth houses were generally smaller than conventional suburban houses. Read report... <http://newurbanetwork.com/article/smart-growth-lifts-sales-prices-home-values-14056>

### **America's Great Outdoor Report Released "A Promise to Future Generations"**

President Barack Obama announced yesterday the Administration's action plan for the America's Great Outdoors Initiative. The goal of the initiative is to achieve lasting conservation of the outdoor spaces that power our nation's economy, shape our culture, and build our outdoor traditions. The action plan was shaped by more than 10,000 participants at 51 listening sessions and more than 105,000 written comments. The Susquehanna Greenway Partnership provided written comments to the plan and attended one of the listening sessions. "We are pleased that the plan focuses on helping local initiatives to create parks and trails, as well as river restoration and land conservation," said Trish Carothers, SGP Program Director. "Connecting people to our natural resources helps to create healthy, sustainable communities." When implemented the plan will result in:

- Accessible parks or green spaces for our children.
- A new generation of great urban parks and community green spaces.
- Newly-restored river restorations and recreational "blueways" that power economic revitalization in communities.
- Stronger support for farmers, ranchers, and private landowners that help protect rural landscapes and provide access for recreation.
  - The reinvestment of revenues from oil and gas extraction into the permanent protection of parks, open spaces, wildlife habitat, and access for recreational activities.
- A 21st century conservation ethic that builds on local ideas and solutions for environmental stewardship and connecting to our historic, cultural, and natural heritage.

A video and transcript of the President's remarks can be found here <http://www.whitehouse.gov/photos-and-video/video/2011/02/16/president-obama-americas-great-outdoors-initiative>. The full report and recommendations can be found at here <http://americasgreatoutdoors.gov/>.

### **☛ Yellow Breeches Watershed Association Needs You!**

As Chairman, I ask for your continued support for the organization through membership renewal for 2011. We hope you will again choose to be a member of this organization that continues to work to preserve and protect the Yellow Breeches Creek Watershed. This past year we have focused on implementing our Strategic Plan and our Rivers Conservation Plan. Some highlights for the year, including activities, and ongoing projects include:

- Water Trail Maps- providing helpful information for recreational users on the creek
- Kiosks-located at the beginning of each water trail segment
- Water quality monitoring- partnering each week with our friends and volunteers from the
- Capital Area Senior Environmental Corps keeping an eye on pH, DO, alkalinity, phosphates, nitrates, sulfates, and conductivity
- Trout Day- celebrating the opening day of trout season at the United Water Company Dam
- Community Festivals- Mechanicsburg Earth Day Festival and the LeTort Festival
- Streamside clean-up - 2010 YB in Lisburn
- Huntsdale Fish Hatchery – tour the new equipment and filtering system
- Pa American Water Company – tour the drinking water processing plant

Please visit our website at [www.ybwa.org](http://www.ybwa.org) for additional information including our slide show highlighting our 2010 activities. All of us who live, work, or play in portions of Cumberland, York, and Adams counties should reflect upon the benefits that the resources of the Yellow Breeches Watershed contribute to our quality of life. We ask that you join us in continuing efforts to improve the environmental awareness in our community as we make a difference for clean water in our watershed. Your continued membership will go a long way in those efforts. As a member, you will receive periodic updates through our newsletter, have the opportunity to network with others interested in the resources the watershed provides and be continually informed about activities of the organization. To increase our exposure in the community, would you please forward this information to friends, family members, work associates, homeowner's associations, and church groups that may be interested in joining our group, participating in an activity, or lending a helping hand. If you need additional information or want to discuss upcoming activities, please contact the new president of the association, Deborah Goetz, at [deborah.p.goetz@gmail.com](mailto:deborah.p.goetz@gmail.com) or phone 717-697-4734.

### **EPA Launches New Watershed Central Wiki**

A new Wiki designed to facilitate information sharing among watershed organizations is now available. Map of participating watershed projects Please consider sharing your watershed tools, research results, and expertise with watershed groups, local governments, and state watershed agencies working to protect and restore their water quality and natural areas. Watershed Central Wiki on EPA's website ([https://wiki.epa.gov/watershed2/index.php/Main\\_Page](https://wiki.epa.gov/watershed2/index.php/Main_Page)) has had over 650 users register so far. You can just view it or, if you like, add your own information by becoming a registered user. If you register, you will be prompted for an "EPA sponsor." You can use the contact information – Stuart Lehman, Environmental Scientist, U.S. Environmental Protection Agency, Mail Code 4503T, 1200 Pennsylvania Ave., Washington, D.C. 20460. Phone: 202.566.1205. Web: [www.epa.gov/nps](http://www.epa.gov/nps).

### **Fresh Water: The Essence of Life**

Did you know that:

- Almost 50% of the world's sick suffer from waterborne disease?
- One in six people lacks clean drinking water?
- Soon, about 2 billion people will live where fresh water is scarce?

Around the world, development, agriculture, and pollution threaten our supplies of fresh water – one of the most precious resources on Earth, but also one too often taken for granted. CI has long worked to fight back against such global threats, and this spring, we will launch a campaign to raise awareness of the freshwater crisis. With partners CEMEX and the International League of Conservation Photographers, we've also developed a book – Fresh Water: The Essence of Life – that explains the threats to fresh water and offers practical solutions for addressing them. Over the next few months, a traveling photo exhibition will showcase the amazing work of the iLCP photographers featured in the book. VIDEO: Fresh Water, the Essence of Life <http://vimeo.com/16775011>; WEBSITE: Safeguarding Fresh Water <http://www.conservation.org/learn/freshwater/Pages/overview.aspx>; ARTICLE: Fresh Water for Health [http://www.conservation.org/FMG/Articles/Pages/fresh\\_water\\_for\\_health\\_madagascar.aspx](http://www.conservation.org/FMG/Articles/Pages/fresh_water_for_health_madagascar.aspx)

### **Bay 101: Wastewater**

From Vimeo: Wastewater is one of the largest sources of nitrogen pollution to our local waterways, but states are upgrading their treatment plants to reduce the amount of nutrients they contribute. Learn all about wastewater in our latest "Bay 101" video. Learn More: Wastewater Treatment <http://vimeo.com/19578813>

### **Help the Bay on the Road**

Air pollution is a huge contributor to the Bay's poor health, and vehicles are a large part of this problem. So help make our air and water a little cleaner by carpooling, combining errands, taking public transportation, observing the speed limit and keeping your car properly maintained. Learn More: What You Can Do <http://www.chesapeakebay.net/ontheroad.aspx?menuitem=14820>

### **The National Council for Science and the Environment (NCSE) Announce the Release of Climate Change Education Modules**

Using National Aeronautics and Space Administration (NASA) data, eight modules have been developed for use in general education courses on climate change that colleges and universities across the country can readily adopt and adapt. Modules include: NASA Time Machine; Climate Change Impacts on Colorado River Water Supply; Seasonality; Introduction to Remote Sensing Metrics; Advanced Topics in Remote Sensing; Ice Core Data; and Recent Climate Change. The modules are available at: <http://ncseonline.org/climate/cms.cfm?id=3818>.



## **WATERSHED FINANCIAL ASSISTANCE**

### **Water Research Foundation (WRF) Announces Request for Proposals for Climate Change Related Research – Mar 15**

WRF budgeted \$8.5 million for 31 projects at a January 21st meeting of the Board of Trustees. Requests for proposals (RFPs) will be issued for 21 of these projects, including three on climate change: Addressing Climate Change by Applying Adaptive Management Techniques to Infrastructure Management; Effective Communication of Climate Change Effects to Stakeholders; and Impact of Climate Change on the Ecology of Algal Blooms. Additional information is available at:

<http://www.awwa.org/publications/StreamlinesArticle.cfm?itemnumber=56170>. RFPs will be available by March 15 [online](#) or by request from the Water Research Foundation RFP Desk, 6666 W. Quincy Avenue, Denver, CO 80235 (303-347-6118), using the RFP number. RFPs can also be requested and sent through e-mail to [info@waterff.org](mailto:info@waterff.org).

### **Keep Maryland Beautiful Program Grants – Mar 31**

The Maryland Environmental Trust is accepting grant applications for the Keep Maryland Beautiful Program from voluntary non-profit groups or communities for solutions to environmental problems. The grants are part of MET's Keep Maryland Beautiful activities, which are funded by the State Highway Administration, a division of the Maryland Department of Transportation. The Margaret Rosch Jones Award of up to \$2000 is awarded for an ongoing project that has already demonstrated success in solving an environmental issue, whether local or statewide. The Bill James Environmental Grants of up to \$1000 are awarded to nonprofit youth groups for new environmental education projects in their community. Application form at [http://www.dnr.state.md.us/met/grant\\_programs.asp](http://www.dnr.state.md.us/met/grant_programs.asp) and attached. Deadline is March 31, 2011 and electronic submission is preferred to [howey@dnr.state.md.us](mailto:howey@dnr.state.md.us)

### **Acres for America – Apr 1**

Acres for America is a partnership between Walmart Stores, Inc. and the National Fish and Wildlife Foundation. The Acres for America program was established to provide funding for projects that conserve important habitat for fish, wildlife, and plants through acquisition of interest in real property. The goal of the Acres for America program is to offset the footprint of Walmart's domestic facilities on at least an acre by acre basis through these acquisitions. Preproposals are accepted annually on April 1.

[http://www.nfwf.org/AM/Template.cfm?Section=Charter\\_Programs\\_List&Template=/TaggedPage/TaggedPageDisplay.cfm&TPLID=60&ContentID=17798](http://www.nfwf.org/AM/Template.cfm?Section=Charter_Programs_List&Template=/TaggedPage/TaggedPageDisplay.cfm&TPLID=60&ContentID=17798)

### **National Award for Smart Growth Achievement Now Open – Apr 6**

The U.S. Environmental Protection Agency (EPA) is pleased to announce that the application period for the 10th annual National Award for Smart Growth Achievement is now open. Through this award, EPA recognizes and supports communities that have successfully used smart growth principles to improve communities environmentally, socially, and economically. Open to public- and private-sector entities, winners will be recognized at a ceremony in Washington, DC, in December 2011. To view the application and complete entry guidelines, please visit:

<http://www.epa.gov/smartgrowth/awards.htm#2011app>. Entry deadline is April 6, 2011.



## **WATERSHED FACILITATION ASSISTANCE**

### **PA Great American Cleanup Registration Open – Mar 1**

You can participate in litter cleanups, illegal dump cleanups, beautification projects, special collections, and educational events. Cleanups will run between March 1 and May 31. Free bags, gloves, vests, and cleanup supplies are available. During Let's Pick It Up PA days, trash collected can be taken to participating landfills for free disposal. Since 2004, over 54 million pounds of litter and waste have been removed from Pennsylvania. For more information or to register, visit [www.gacofpa.org](http://www.gacofpa.org). NOTE: WAY is looking for local sponsors to support cleanups of Illegal Dump Sites. Planned cleanups include:

- March 5 – Eberts Ln IDS; Sponsor Wecology; details to be announced, 8:00 to 11:00 AM, City of York
- March 26 – Gut Rd. IDS; sponsor Jst Fishin; details to be announced
- April 9 – Hall Rd. IDS, Beaver Creek; sponsor RLMA; details to be announced
- April 15-23 – Codorus Creek; sponsor SOLS; from Richland Ave. to Rt. 30.
- May 14 – South Branch Codorus Creek; sponsor Glen Rock Boro; details to be announced

To donate or volunteer, contact Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: [lowsusriver@hotmail.com](mailto:lowsusriver@hotmail.com).

### **Kiwanis Lake Important Bird Area Planting – Mar 2**

If you listen to Public Radio you know that they have raised funds to plant trees at Kiwanis Lake in Noonan Park. The date for the planting will be April 30th and we are looking for partners to help get the trees in the ground. Audubon, CCWA and other groups that you are involved with were called out as possible participants. You or representatives from your groups are invited to a planning meeting which will be held on March 2nd, 8am at the York County Annex.

### **What Do Red Lion and the Galapagos Islands Have in Common? Come listen to Sanctuaries in the Seas – Mar 9**

The public is invited to join the Watershed Alliance of York to a primer presentation by Dr. Jack Grove of "Sanctuaries in the Sea", on Wednesday March 9, 2011, from 7:00 to 9:00 PM, at Red Lion Area High School. During the first weeks of this year, Jack has already traveled around the world, as lecturer and marine biologist on an expedition with Zegrahm Expeditions, from Singapore and Thailand through the Andaman Sea to Myanmar and across the Bay of Bengal to Sri Lanka and India. Before the end of 2011 he will spend another six months on the high seas voyaging to Micronesia, The Indian Ocean, and The Azores and circumnavigating Ireland. A marine biologist and professional naturalist, Jack Stein Grove has spent much of the past two decades traveling on, photographing and lecturing about, the world's oceans. He will share his adventurous lifestyle of this 20th-century naturalist as reflected in his travels and make the connection about the importance of clean water to us all. Also, you will learn about the Barshinger Watershed Renaissance Initiative

([www.codoruscreek.net/barshinger\\_creek/](http://www.codoruscreek.net/barshinger_creek/)), Red Lion High School's Project NATURE (Nature Awareness Through Understanding Resources and Environments <http://flashnature.wikispaces.com/>), and drinking water protection efforts by the Red Lion Municipal Authority and The York Water Company. The forum is free. Tax-deductible donations will be accepted supporting the Barshinger Watershed Renaissance Initiative and environmental education, locally. The Watershed Alliance of York is a coalition of stakeholders committed to encouraging watershed-based planning, restoration and protection in York County and beyond. For information about Sanctuaries in the Sea, contact Gary R. Peacock at (717) 840-7430 or by email at [gpeacock@yorkccd.org](mailto:gpeacock@yorkccd.org).

### **CWP'S WATERSHED & STORMWATER MANAGEMENT WEBCAST SERIES - Mar 16**

Design, Installation, and Maintenance of Constructed Wetlands and Regenerative Stormwater Wednesday, March 16, 2011, Eastern: 12:00 pm - 2:00. Cost: \$149. Early registration specials are available that can save significant coinage. For more details on early registration, please go to: <http://www.cwp.org/our-work/training/webcasts.html>.

### **How Rivers Work: A Free Webinar - Mar 16**

Forester Media is about to launch an educational component, Forester University, and will be presenting two free webinars in March. The catch? Seating is limited—there are 200 spots available for each webinar—and if you join us for one or both of these, we'll ask for your feedback at the end. One of the webinars is especially relevant for erosion and sediment control professionals: "Fluvial Geomorphology 101 – What's Wrong About Riprap." It will take place on March 10, 2011, at 2:00 p.m. EST. Click here to register <http://www.erosioncontrol.com/blogs/ec-editors-blog/how-rivers-work-a-free-webinar-77895.aspx>

### **Teachers! Naturalists! Environmental Interpreters! - Mar 16-17**

This region's premier Environmental Education conference will be held near Ligonier March 17-19 and YOU need to be there! Learn about upcoming career and training opportunities, improve your skills, and connect with other environmental education professionals at the 2011 PAEE Conference. Register by Monday, Feb. 28 to save money with Early Bird Registration. More information is available at <http://www.pae.net/>. We'll see you there! The PCEE Staff. [info@pcee.org](mailto:info@pcee.org)

### **Celebrate Earth Month: Join Project Clean Stream - Apr 2**

Volunteers Needed to Assist at Local Stream Cleanups! The Alliance for the Chesapeake Bay is organizing the 8th annual Project Clean Stream, one of the Chesapeake Bay's largest coordinated stream cleanups. Project Clean Stream will take place Saturday, April 2, 2011, from 9 AM to 12 Noon, at more than 145 stream cleanup sites in Central Maryland, the Eastern Shore, Pennsylvania and New York. The Alliance increasingly partners with environmental non-profit organizations, City Recreation & Parks Departments, and larger corporations in an attempt to expand the cleanup effort each year. Project Clean Stream is coordinated to connect individuals with their local watershed association and to help us make our local streams, wooded areas, and shorelines safer, cleaner, and more beautiful. As the Alliance expands the efforts of Project Clean Stream outside of central Maryland, we are asking if watershed organizations will aid in managing cleanup sites and volunteers. Project Clean Stream requires volunteers on two levels. Firstly, Site Captains lead cleanups and orient volunteers at their respective site. The Alliance provides Site Captains with assistance as needed, including training, organizational checklists, some cleanup materials (trash bags, gloves, first aid kit), and necessary forms. Secondly, we need a general volunteer crew for stream cleanup. The Alliance provides insurance for volunteers and some funding for sites/watershed groups. In addition, a potential bonus of \$75.00 per cleanup site is provided to each organization. Project Clean Stream volunteers improve their community by removing trash, tires and other discarded items from area streams and nearby roadsides. In 2010, over 3,600 volunteers removed more than 118,000 pounds of trash and debris from area streams! This year, we hope to recruit 4,000 volunteers, remove 150,000 pounds of trash and register 145 cleanup sites. Without your assistance, we cannot reach our goals. Project Clean Stream is coordinated by the Alliance for the Chesapeake Bay and supported by a grant from the Chesapeake Bay Trust and Baltimore Life Companies. Partnering organizations include local watershed associations and regional county staff. To volunteer, contact Dan Ellis at 443-949-0575 or [dellis@allianceforthebay.org](mailto:dellis@allianceforthebay.org). Additional information is also available at <http://allianceforthebay.org/pcs>. Questions: Donna Morelli, Pennsylvania Director 717-737-8622 ext: 13.

### **Brownfields 2011: Sustainable Communities Start Here - Apr 3-5**

Philadelphia, PA – April 3-5, 2011. The National Brownfields Conference is the largest, most comprehensive conference focused on cleaning up and redeveloping abandoned, underutilized, and potentially contaminated properties in the nation. There is no better deal in the redevelopment marketplace than Brownfields 2011. Why? Because registration is free, and by signing up you gain access to more than 100 educational and learning opportunities, outstanding plenary sessions, 200 exhibitors, scores of networking events, special training sessions, film screenings, book signings, and much, much more.

For more information, visit [www.Brownfields2011.org](http://www.Brownfields2011.org).

### **Mid-Atlantic Ecological Landscapes - 2011 Classes**

Registration Fee: \$10.00 per class -or- \$50.00 for the series. Cancellations will be refunded minus a \$5.00 processing fee. Cancellations the day of the program will not be refunded.

- Creating a Rain Garden - Instructor: Tom Smith. Date: April 13, 2011. Time: 6:00-8:00 pm. Location: County Annex, 112 Pleasant Acres Rd., York, PA 17402. Program description: Rain gardens are the easiest way to eliminate stormwater concerns around your home and help the environment. Learn the basics of rain garden design and using native plants to attract pollinators.
- Pruning & Trimming Native Shrubs - Instructors: Julianne Schieffer. Date: June 15, 2011. Time: 6:00 pm to 8:00 pm. Location: County Annex, 112 Pleasant Acres Rd., York, PA 17402. Program description: Learn the fundamentals of pruning trees and shrubs in the landscape. When done correctly, pruning can revitalize shrubs and make your landscape more attractive.
- What's the Big Deal About Invasive Plants? - Instructors: Lauri Danko & Joy Howell. Date: July 12, 2011. Time: 6:00-8:00. pm. Location: County Annex, 112 Pleasant Acres Rd, York, PA 17402. Program description: Join us for a fun evening as we identify many invasive species and discover that some were introduced as a highway crash barrier! One was accidentally brought to the US when the seeds were used as packing material. This is an opportunity to observe the influences invasives have on our garden plants and natural areas. We will carpool to a neighboring park.

- Wetland Wonders and Ecology – Instructor: Tim Falkenstein. Date: August 16, 2011. Time: 6:00 to 8:00 pm. Location: 3325 Overview Drive, York, PA. Program description: Includes an onsite visit to a Wetland. We will discuss the ecology and the importance of wetland habitats. Participants will get muddy, so old clothes and boots are recommended.
- Native Grasses and Planting a Meadow – Instructor: Linda Silverman. Date: September 14, 2011. Time: 6:00pm to 8:00 pm. Location: County Annex, 112 Pleasant Acres Rd, York, PA 17402. Program description: Native grasses and meadows are a great alternative to lawn. Learn about some great plants and techniques for planting them.
- The Dos and Don'ts of Fall Gardening – Instructor: Jacquelyn Doyle. Date: October 18, 2011. Time: 6:00pm to 8:00 pm. Location: County Annex, 112 Pleasant Acres Rd, York, PA 17402. Program description: Learn why fall is the best time for planting native plants. When to cut them back and when not. Seed collecting and propagation will be included.

For more information, visit: [www.maescapes.org](http://www.maescapes.org) or call Penn State Cooperative Extension—York County, 112 Pleasant Acres Road York, PA 17402. Phone: 717-840-7408

### **Hold the date - Third Maryland Streams Symposium - Aug 10-13**

You're invited to attend the Third Maryland Streams Symposium to be held August 10 – 13, 2011 at Carroll Community College near Westminster. Sponsored by the Maryland Department of Natural Resources and the Maryland Water Monitoring Council, the event will be an exciting mix of technical and non-technical presentations, posters, hands-on workshops, field trips, and interactive discussions. The Symposium is open to the public. Educators, students, interested citizens, agency staff, and those working with private businesses are encouraged to attend. A Hold the Date flyer can be found here <http://www.dnr.state.md.us/streams/pdfs/SSSaveTheDate.pdf>. Details will follow as plans for the Symposium unfold.

## **WATERSHED TECHNICAL ASSISTANCE**

### **World Phosphorus Use Crosses Critical Threshold**

ScienceDaily (Feb. 15, 2011) — Recalculating the global use of phosphorus, a fertilizer linchpin of modern agriculture, a team of researchers warns that the world's stocks may soon be in short supply and that overuse in the industrialized world has become a leading cause of the pollution of lakes, rivers and streams. Writing in the Feb. 14 edition of the journal Environmental Research Letters, Stephen Carpenter of the University of Wisconsin-Madison and Elena Bennett of McGill University report that the human use of phosphorus, primarily in the industrialized world, is causing the widespread eutrophication of fresh surface water. What's more, the minable global stocks of phosphorus are concentrated in just a few countries and are in decline, posing the risk of global shortages within the next 20 years. "There is a finite amount of phosphorus in the world," says Carpenter, a UW-Madison professor of limnology and one of the world's leading authorities on lakes and streams. "This is a material that's becoming more rare and we need to use it more efficiently." Phosphorus is an essential element for life. Living organisms, including humans, have small amounts and the element is crucial for driving the energetic processes of cells. In agriculture, phosphorus mined from ancient marine deposits is widely used to boost crop yields. The element also has other industrial uses. But excess phosphorus from fertilizer that washes from farm fields and suburban lawns into lakes and streams is the primary cause of the algae blooms that throw freshwater ecosystems out of kilter and degrade water quality. Phosphorus pollution poses a risk to fish and other aquatic life as well as to the animals and humans who depend on clean fresh water. In some instances, excess phosphorus sparks blooms of toxic algae, which pose a direct threat to human and animal life. Read article... <http://www.sciencedaily.com/releases/2011/02/110214163110.htm>

### **Biogeochemistry at Core of Global Environmental Solutions: Coupled-Cycles Framework Key to Balancing Human Needs With Earth's Health**

ScienceDaily (Feb. 9, 2011) — If society wants to address big picture environmental problems, like global climate change, acid rain, and coastal dead zones, we need to pay closer attention to Earth's coupled biogeochemical cycles. So reports a special issue of Frontiers in Ecology and the Environment, published this month by the Ecological Society of America. There are nearly seven billion people on the planet. And our activities are throwing Earth's biogeochemical cycles out of sync, to the detriment of air and water resources, climate stability, and human health, comments Dr. Jonathan J. Cole, a limnologist at the Cary Institute of Ecosystem Studies and co-editor of the special issue. A biogeochemical cycle is a pathway by which a chemical element, such as carbon, moves through Earth's biosphere, atmosphere, hydrosphere, and lithosphere. Some thirty cycles govern the composition of our environment, among them carbon, nitrogen, oxygen, and phosphorus. Historically, biogeochemical cycles have been studied individually. But in the natural world, element cycles are intimately tied to one another, and seemingly small perturbations can have large impacts across cycles. Read more... <http://www.sciencedaily.com/releases/2011/02/110209124145.htm>

### **Chesapeake Bay TMDL Tracking and Accounting System (BayTAS)**

The Chesapeake Bay TMDL Tracking and Accounting System (BayTAS) was developed to inform EPA, the Bay Jurisdictions, and the public on progress in implementing the [Bay Total Maximum Daily Load \(Bay TMDL\)](#). Future versions of BayTAS will include reporting of Best Management Practice (BMP) implementation and verification. [Learn more about BayTAS](#) and the [terminology of the TMDL](#) in the glossary found in Section 13. Get answers to [frequently asked questions](#) about the Bay TMDL. Resource: [http://stat.chesapeakebay.net/?q=node/59&quicktabs\\_3=2&quicktabs\\_10=2](http://stat.chesapeakebay.net/?q=node/59&quicktabs_3=2&quicktabs_10=2)

### **EPA Expands and Enhances WCIT**

A Robust Tool for the Water Sector EPA is announcing a major expansion and additional enhancement of the Water Contaminant Information Tool (WCIT). WCIT is a secure, on-line database profiling chemical, biological, and radiological contaminants of concern for drinking water and wastewater utilities. The Agency has now added a compendium of 700 new contaminants with details on more than 212 analytical methods. EPA has also completed enhancements of the WCIT search feature. Expanding the range of data in WCIT enables water utilities, public health officials and federal, state and local agencies to better plan for and respond to an "all-hazards" contamination incident. Registering for WCIT is easy and free. To apply for access to WCIT, please visit <http://www.epa.gov/wcit>

### **Rethinking State & Local Stormwater Management Partnership – Looking at new ways state regulators can work with MS4s**

*Stormwater* – Collaborative Stormwater Management: Setting the Stage. In recent years, collaboration has become a buzzword in the stormwater management field. As managers are increasingly asked to view and manage stormwater from a watershed perspective (NRC 2008), federal and state government agencies are looking more closely at collaborative approaches to reduce nonpoint-source pollution, including sources of stormwater pollution. The nature of stormwater flow, origins, and impacts makes it a natural fit for joint action, necessitating the cooperative action of multiple levels of government; the engagement and action of citizens; and the support of nonprofits, businesses, and funders. As it's one of our nation's "wicked problems," thinking about how to structure and promote collaborative action to reduce stormwater pollution is gaining attention at the federal, state, and local levels. In the book *Collaborative Environmental Management: What Roles for Government?* Koontz et al. (2004) explain that this current push toward collaboration in most areas of environmental management emerged in the early 1990s from a dissatisfaction by citizen groups with inadequate public participation processes, a lack of representativeness in participation activities, and poor implementation of environmental programs in general. Grassroots organizations began to demand a more active role in decision-making, leading to an emphasis on increasing the involvement of diverse stakeholder groups. Koontz et al. go on to state that to address these pressures, federal agencies began to promote "collaborative approaches" to environmental management. During the 1990s, collaborative approaches were implemented by the United States Environmental Protection Agency (EPA), Forest Service, Natural Resources Council, National Oceanographic and Atmospheric Administration, Department of Energy, Bureau of Land Management, National Fish and Wildlife Service, and 11 other federal agencies working on environmental issues. Read article... <http://www.stormh2o.com/january-february-2011/local-stormwater-partnership.aspx>

### **Street Sweeping 101: Using street sweepers to improve water and air quality**

*Stormwater* – Since its inception in the early 1900s, mechanized street sweeping has been used to remove what might be termed "cosmetic" or "political" debris from roadways and other paved surfaces. Conventional wisdom has always dictated that if a street looked clean, it was clean. Today however, this reason for sweeping is undergoing significant reappraisal. That is because study after study dating back to the 1970s (Sartor and Boyd 1972; Pitt and Amy 1973; Pitt 1979; Revitt and Ellis 1980; Biggins and Harrison 1980; Pitt and Sutherland 1982; Pitt and Shawley 1982; Pitt 1985; Pitt and McLean 1986; HDR 1993; Sansalone et al. 1998; Sansalone and Tribouillard 1999; Hubbell, Roth, and Clark 2001; Tetra Tech 2001; Townsend et al. 2002; and PWR 2004) have constantly shown that up to 50% of heavy metals and other pollutants of great concern like nutrients and toxics are attached to street dirt particles too small for most mechanical brush sweepers currently being used to effectively remove. Even though a street may look clean after being swept, there still may be a significant loading depending on the sweeper model used and the operational characteristics employed by the driver. But in spite of this overwhelming evidence, a controversy continues to rage over the actual particle pickup effectiveness of modern day sweepers and whether that effectiveness translates into a real reduction in the mass of pollutants being washed from urban streets and transported downstream by stormwater and entering receiving waters (Sutherland 2009a). In addition, extremely small-micron particles are seen to pose a significant air-quality concern. According to EPA estimates, about 30,000 people in the United States die each year as a result of pollutants attached to extremely small-micron particles, and about 1,000,000 more sustain serious lung impairment. Read article... <http://www.stormh2o.com/january-february-2011/street-sweeping-101.aspx>

### **Living Architecture Academy Launched**

Green Roofs for Healthy Cities is pleased to announce the launch of the [Living Architecture Academy](http://grhc.sclivelearningcenter.com), a new online learning center focused on green roofs, walls, and other forms of green infrastructure. The Living Architecture Academy offers 24/7 access to multimedia conference proceedings, webinars, and research papers from past conferences, and provides a convenient way to earn continuing education credits towards credential maintenance or license renewal. Access the Living Architecture Academy at <http://grhc.sclivelearningcenter.com>.

### **High-Quality, Ready-to-Use Basemaps for Your GIS Projects and Web Applications**

As of the end of January, ArcGIS Online basemaps published and hosted by Esri are now freely available to all users regardless of commercial, noncommercial, internal, or external use. This means that you no longer have to pay a subscription fee for including ArcGIS Online basemaps in your commercial-use web applications. Basemaps included in this new business model are World Imagery Map, World Street Map, World Topographic Map, USA Topographic Maps, and DeLorme World Basemap. The only restriction is a high-volume transaction limit of 50,000,000 transactions in a 12-month period, which is equivalent to 400,000,000 tile requests per year, or over 1,000,000 per day - a volume that most likely very few users will reach. If you are concerned about reaching the high-volume level in a 12-month period, please contact the [Esri regional office](#) in your area to discuss alternatives. Local, state, and federal government users are not affected by this change. They can continue to make unlimited use of ArcGIS Online basemaps regardless of transaction volume. Developers also have unlimited access to ArcGIS Online basemaps for development and testing purposes via the ArcGIS Web Mapping APIs. Read the [ArcGIS Online blog](#) to get the latest news and updates. <http://www.esri.com/software/arcgis/arcgisonline/standard-maps.html>

### **DEP Invites Comments On Special Protection Status Of Otter Creek**

The Department of Environmental Protection [published notice](#) inviting comments on the Special Protection and water quality status of 11 stream in York County: Otter Creek: York County. Persons with technical data concerning the water quality, instream habitat or biological condition of these stream sections are encouraged to make it available to the Department for consideration in the assessment. These assessments may lead to recommendations to the Environmental Quality Board for redesignation. For more information, see the [formal notice](#).

