

WAY E-NEWS

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



November 8, 2010

A PUBLIC-PRIVATE PARTNERSHIP

Volume 10, Issue 22

INSIDE THIS ISSUE...

WATERSHED ALLIANCE NEWS...2

WATERSHED EDUCATION & OUTREACH...Page 5

- Nature's Backbone at Risk: World's Vertebrates Face an Extinction Crisis, Assessment Finds
- 'Gender-Bending' Chemicals Affect Reproduction in Fish, Research Shows
- Rabbit's Food Brings Luck in Decreasing Estrogen Levels in Wastewater
- Most River Flows Across the US Are Altered by Land and Water Management
- Study to Examine Oxygen Levels in Shallow Water
- ITT Releases The Value of Water Survey
- MDE Reports 52% Increase in Water Pollution Enforcement
- Draft Renewal NPDES General Permit (Industrial Activities) Now Available
- Marylanders PLANT and BE COUNTED!
- Online Network Available for Environmental High Schools
- Hands-on Saturday Workshops Focus on Standards
- Penn State Offers Sustainable Landscape Technology Certificate
- New PA Center For Environmental Ed Website Goes Live November 15
- PPL Brunner Island Preserve Fall 2010 Environmental Programs
- PPL Holtwood Preserve Fall 2010 Environmental Programs

WATERSHED FINANCIAL ASSISTANCE...Page 7

- Project Learning Tree 'GreenWorks' Pollinator Garden Grants – Dec 1
- Conservation Fund Grant Proposals – Dec. 1
- Geotourism Challenge – Dec 1
- American Rivers & NOAA Community-Based River Restoration Grants – Dec 8
- Pennsylvania: WPC & Dominion Resources Watershed Mini Grants – Dec 15
- Coldwater Heritage Partnership Now Accepting Grant Applications – Dec 17
- Environmental Education Grant Applications Now Being Accepted By DEP – Dec 17
- Cora L. Brooks Foundation 2011 grants for watershed projects – Jan 10
- NRCS Extends CSP Sign-Up – Jan 17
- Pennsylvania Keystone HELP Loan Program to Help Homeowners Install Geothermal Systems
- Economic Recovery Funding for Drinking Water and Wastewater Infrastructure
- Charrette Grants
- Sustainability Training Grants

WATERSHED FACILITATION ASSISTANCE...Page 9

- Stream Ecology and Riparian Buffer Workshop – Nov 15
- EPA to Hold Listening Sessions on Potential Chesapeake Bay Stormwater Rule – Nov 16 & 17
- Building One PA hosts film screening in Harrisburg: Save the date – Nov. 17
- Where Do We Grow From Here - Nov 17
- ssbn Think Local First Campaign Kick-Off & Annual Meeting – Nov 18
- Presentation on PERMACULTURE – Nov 21
- Susquehanna Heritage Lecture Series – Safe Harbor Petroglyphs by Paul Nevin – Dec 1
- Assessment and Sediment-Based Design of Stream Restorations – Dec 1
- Hershey Hosts Science Teacher Association Convention – Dec 1-3
- Municipal Stormwater: Protecting Water Quality, Streams, and Communities – Dec 15
- Choose Clean Water Conference 2011- Registration Now Open – Jan 10-12
- MAEOE 26th Annual Conference "Educating for Sustainability" – Feb 10-13

WATERSHED TECHNICAL ASSISTANCE...Page 11

- Clean Water for All: County Leaders Speak Out for Clean Water
- New White Paper Outlines How to Involve Residents as Citizens
- Using Catchment History to Identify Disturbance and Response Mechanisms to Set Targets for Process-Based Restoration

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 717-705-4704
- 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

- Resources for new Wetlands Mapping Standard
- “Energy Conservation Measures at Wastewater Treatment Facilities”
- Better Site Design Gets Better Webcast – Dec 15
- Sustainable Community Design- New Conservation Language for Subdivisions
- Enterprise Green Affordable Housing Policy Toolkit
- EPA Technical Assistance on Sustainable Growth and Development
- Sustainability Depends on Coordinated Investments
- Direct Potable Reuse Workshop Report is Now Available
- DEP eNOTICE - Regulation Update
- Proposals Currently Open for Comment



WATERSHED ALLIANCE NEWS

Ag Land Preservation Board of York County - www.york-county.org

<> For information about farmland preservation in York County contact Patty McCandless at 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

Codorus Creek Watershed Association - www.codoruscreek.net

- Jan 10 – CCWA Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)

<> Contact: Jim Leaman at 843-2929

Codorus State Park - www.dcnr.state.pa.gov

Conewago Canoe Club - www.conewagocanooclub.org

- Jan. 6 – 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, but remember you catch more flies with honey than vinegar.

Deer Creek Watershed Association - <http://deercreekwatershed.com/>

<> Contact Lee McDaniel at ldmcdaniel@aol.com.

Farm & Natural Lands Trust of York County - 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

Friends of Codorus State Park - www.friends-of-codorus.org/

<> For more information contact Becky Miller at 632-6747 or email beckymill1@iuno.com or Dave Carbaugh at 637-9875 or email carbaugh3@embarqmail.com

Gifford Pinchot State Park - 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

Greater Hanover Alliance - pwingert@legacycaps.com

<> Contact: G. Paige Wingert, President, Greater Hanover Alliance, Inc., Hanover, PA 17331. Ph :(717) 630-0892.

Gunpowder Valley Conservancy - 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.

Horn Farm Center for Agricultural Education - www.hornfarmcenter.org

It's been an eventful summer season at the farm and, again, we have much to be thankful for.

- We constructed a brand new pole barn, thanks to the generosity of Evamae and Dale Crist, who donated the funds to build it in memory of their son, Jeffrey; partnered with a beekeeper who will bring hives to the farm – a great boost for all the crops grown there; reconstructed a squirrel tail oven on the side of the summer kitchen (bread making demonstrations are in the Horn Farm's future!); and showcased heirloom tomatoes on a beautiful day at TomatoFest 2010, surprising a lot of folks who never knew there were so MANY varieties of tomatoes!
- Behind the scenes, volunteers spruced up the farmhouse and grounds. Their work has enabled us to open two more meeting rooms on the second floor of the farmhouse just in time for the board's planning retreat later this month. We owe them and ALL the volunteers who helped in so many ways this year, a debt of gratitude.
- Read more about it all in this issue of "Around the Horn"

- As we look forward, the last quarter of 2010 will bring the launch of the new Incubator Farm program. Designed to help preserve small family farms and local agriculture, this program will provide the land, education and support to help the three farmers recently selected to participate in this program get off to a good start operating a small family farm business. And, then, before we know it – 2011 will be upon us!

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

Izaak Walton League York Chapter #67 – www.yorkchapter67iwla.org/

- Calendar of events 2010 - 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

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

Maryland's Upper West Shore Trib Team – http://www.dnr.state.md.us/bay/tribstrat/upper_west/up_west_shore.html

<> 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

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

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

Mid-Atlantic Ecological Landscapes Partnership [MAEscapes] – www.maescapes.org

- Jan 24 – Advisory Board meeting, 6:30 pm, York County ANNEX

<> Contact: 717-840-7408 or Connie Schmotzer at cxs51@psu.edu

Peach Bottom Concerned Citizens Group Inc. - www.pbccg.com

Thanks for attending, speaking or networking yesterday at the York JCC. We are working on pics and video...coming soon!

- Please come to see Gasland Thurs Nov 18th at 7 at the Shrewsbury Municipal Building.

<> Contact Maria Payan by email 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

<> Contact: Nancy Shaper at nshaper@jhmi.edu

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

- New 2010 Meeting Location! 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!
- 11/13 - Chapter Excom Meeting - 10am - 5 pm at the Linglestown Giant. Conservation issue discussion 2 - 3:30 pm. [Meeting Agenda](#) and [Conservation Agenda](#).
- 11/30 - Holiday Party - 6:30 - 8:30 pm at 101 S 2nd St, Harrisburg, PA (the PA Chapter Office). Contact Wendi Taylor at 717-612-9409 or taylorwj@comcast.net
- 12/28 - Annual Planning Meeting - 6:30 pm in the Community Room at the Giant at 2300 Linglestown Rd, Harrisburg, PA 17110. All members are welcome!
- Green Drinks - 5:30 pm happy hour on the second Wednesday of every month at a local pub. For Green Drinks locations click [here](#) or on Twitter @HBGreenIrene, or on [Facebook](#)
- City Outings (ICO) - find out [more](#) about this great local Sierra Club program

<> Kim Anderson at sgfornyc@aol.com.

Spoutwood Farm Center for Sustainable Living – www.spoutwood.com

<> Contact Rob & Lucy Woods at Spoutwood Farm at 717-235-6610 or 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, January 5, 2010 - Historic 12th Night Celebration and Zimmerman Center Open House - 3pm-8pm
- 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 or 717-252-0229 ext. 4

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

Susquehanna Greenway Partnership - 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

Trout Unlimited Codorus Chapter #558 - www.codorustu.org

- Nov 19 - Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Sawmill pavilion (summer)

<> Contact: Tom Finenze at 840-1372 or 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/>

- Nov. 17 - Chapter Meeting at [Collinsville Fish & Game](#)

<> Contact: Ron Heuston, President MCTU, 244-1851 or 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

Watershed Alliance of York - www.watershedsyork.org

- Jan. 5 - Annual Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.

• 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 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

Yellow Breeches Watershed Association - www.ybwa.org

<> Contact: John Eby, President, at john_eby@lower-allen.pa.us

York-Adams Regional Smart Growth Coalition - 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, November 8, 2010: Scott Weidensaul presents: "Messing Around with Birds for Fun and Science"

- Monday, December 13, 2010: Peter and Lori Davis present "Protection Island National Wildlife Refuge"

- December 18, 2010: tentative date for the annual YAS Christmas Bird Count.

- Monday, January 9, 2011: Member's best night.

- 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 tls35@psu.edu.

York County Conservation Alliance - www.yorkcountyconservationalliance.org

<> Contact: Jane Heller at info@yorkcountyconservationalliance.org or 717-845-3797, or mail to YCCA - 543 Dupont Ave, York, Pa. 17403

York County Conservation District - 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

• Wonderful opportunity for everyone to consider as an Envirothon contribution. We offer original artwork each year as a gift to anyone contributing at the \$250.00 level and above during the Envirothon Sponsor Drive. For the first time this year, artist Millicent Neill Decker, is allowing the District to directly offer her limited edition print, Persimmon Buck, at its normal retail price of \$90.00. That means that the Envirothon receives half of every print sold! This is another way for the Envirothon to raise money and perhaps brings the gift of artwork to someone who cannot afford to make a \$250.00 donation (like most of us). Please look over the attached order form. If you or anyone you know is interested in this beautiful piece of artwork - painted especially for this year's Envirothon - please pass the information on. It would make a lovely holiday gift and help the Envirothon as well. If you have any questions about the piece, just contact Kim J Young, Education & Communication Coordinator, York County Conservation District, 118 Pleasant Acres Road, York PA 17402.

kyoung@yorkccd.org / 717-840-7190.

- Rain barrels for sale! Visit our website for more information and prices.

<> Contact: YCCD at 717-840-7430 or yorkccd@yorkccd.org

York County Planning Commission - 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



WATERSHED EDUCATION & OUTREACH

Nature's Backbone at Risk: World's Vertebrates Face an Extinction Crisis, Assessment Finds

ScienceDaily (Oct. 26, 2010) — The most comprehensive assessment of the world's vertebrates confirms an extinction crisis with one-fifth of species threatened. However, the situation would be worse were it not for current global conservation efforts, according to a study launched Oct. 26, 2010 at the 10th Conference of the Parties to the Convention on Biological Diversity, CBD, in Nagoya, Japan. The study, to be published in the international journal Science, used data for 25,000 species from The IUCN Red List of Threatened Species™, to investigate the status of the world's vertebrates (mammals, birds, amphibians, reptiles and fishes) and how this status has changed over time. The results show that, on average, 50 species of mammal, bird and amphibian move closer to extinction each year due to the impacts of agricultural expansion, logging, over-exploitation, and invasive alien species. Read article...

<http://www.sciencedaily.com/releases/2010/10/101026184159.htm>

'Gender-Bending' Chemicals Affect Reproduction in Fish, Research Shows

ScienceDaily (Oct. 27, 2010) — New research has provided the first evidence that 'gender-bending' chemicals which find their way from human products into rivers and oceans can have a significant impact on the ability of fish to breed in UK Rivers. The findings from the four year study, led by the universities of Exeter and Brunel, has important implications for understanding the impacts of these chemicals on ecosystem health and possibly on humans. Endocrine disrupting chemicals (EDCs) disrupt the ways that hormones work in the bodies of vertebrates (animals with backbones), including humans. They can be found in everything from female contraceptive drugs and hormone replacement therapy pills, to washing up liquid, with the most well studied EDCs being those that mimic oestrogen (female hormone). EDCs have been seeping into rivers through the sewage system for decades and have an observed effect on fish, altering male biology to make them more female – hence the 'gender bending' reputation of these chemicals. Until now, there has been no solid evidence to show the long-term impact of this effect on fish in the wild – but the new research focusing on wild roach in two UK rivers (Bourne and Arun) has provided new evidence. Read article...

<http://www.sciencedaily.com/releases/2010/10/101026111613.htm>

Rabbit's Food Brings Luck in Decreasing Estrogen Levels in Wastewater

ScienceDaily (Nov. 2, 2010) — Experiments at the University of Cincinnati show that rabbit's food resulted in the abiotic (non-biological) transformation and absorption of four different types of estrogen, reducing the levels of these estrogen hormones by more than 80 percent in wastewater. The research, published in the November 2010 issue of the journal Environmental Pollution, has practical implications since it could point to inexpensive treatment technologies and materials for reducing estrogens in wastewater. Currently, estrogen in wastewater represents a major conduit for the entry of the hormone, whether in its naturally occurring forms or synthetic form (birth-control pills), into the environment. There, it's believed the hormone causes responses in the endocrine systems of fish, birds and other wildlife in and around streams and rivers, groundwater, sediments and sludge. In other words, causing effects in wildlife such as the presence of both male and female sex organs, feminization of males, abnormal and malformed reproductive organs, skewed sex ratios, reduced fertility and more. Population growth and the use of synthetic estrogens (birth-control pills) have increased the presence of the hormone (both in its naturally occurring forms and its synthetic forms) in the environment. Read article...

<http://www.sciencedaily.com/releases/2010/11/101101093604.htm>

Most River Flows Across the US Are Altered by Land and Water Management

ScienceDaily (Nov. 3, 2010) — The amount of water flowing in streams and rivers has been significantly altered in nearly 90 percent of waters that were assessed in a new nationwide USGS study. Flow alterations are a primary contributor to degraded river ecosystems and loss of native species. This USGS assessment provides the most geographically extensive analysis to date of stream flow alteration. Findings show the pervasiveness of stream flow alteration resulting from land and water management, the significant impact of altered stream flow on aquatic organisms, and the importance of considering this factor for sustaining and restoring the health of the Nation's streams and ecosystems. Flows are altered by a variety of land- and water-management activities, including reservoirs, diversions, subsurface tile drains, groundwater withdrawals, wastewater inputs, and impervious surfaces, such as parking lots, sidewalks and roads.

Read article... <http://www.sciencedaily.com/releases/2010/11/101103111254.htm>

Study to Examine Oxygen Levels in Shallow Water

The National Oceanic and Atmospheric Administration gave a team of researchers a five-year grant estimated at nearly \$1.6 million to improve predictions of the impact of lowoxygen water on commercially and ecologically important species such as oysters, summer flounder, striped bass and white perch. Most attention about oxygen-depleted water in the Chesapeake Bay is focused on the "dead zone" that forms in deep water each year. But most oxygen-related fish kills actually take place in shallow waters, where recent research has shown there are often rapid swings in oxygen levels from day to night. Read more... <http://www.bayjournal.com/article.cfm?article=3937>

ITT Releases The Value of Water Survey

The ITT Value of Water Survey, a nationwide poll on the value of water, details what U.S. voters and industrial and agricultural businesses think should be done about the water crisis and who should pay for it. The full report is available at:

<http://www.itt.com/valueofwater/media/Value%20of%20Water.pdf>.

MDE Reports 52% Increase in Water Pollution Enforcement

The Maryland Department of the Environment (MDE) increased its water pollution enforcement actions 52% from fiscal years 2007 to 2010. The increased enforcement improves the water that flows to the Bay from rivers and streams, and ensures a level playing field for individuals and businesses that don't violate water pollution rules. The agency's annual enforcement report documents the improved enforcement. For more information... <http://www.mde.maryland.gov/programs/PressRoom/Pages/1306.aspx>

Draft Renewal NPDES General Permit (Industrial Activities) Now Available

The Department of Environmental Protection announced the availability of the draft renewed NPDES General Permit for Discharges of Stormwater Associated With Industrial Activities The current General Permit will expire on December 4, 2010, unless rescinded by the

Department at an earlier date. Interested persons may send comments to the Department's Bureau of Water Standards and Facility Regulation. Contact: [Geoffrey O. Maduka](#)

Marylanders PLANT and BE COUNTED!

Planting trees is a simple way to do something to protect our waterways and help our air quality while saving on energy costs. And fall is the best time to plant. Marylanders Plant Trees offers instant savings with the purchase a new tree from a [participating nursery](#). The Maryland Department of Natural Resources program offers a \$25 coupon for the purchase any of [recommended native trees](#) valued at \$50 or more. There is no limit on how many coupons may be used, and coupons can be [printed](#) from the Marylanders Plant Trees website. When you [register](#) your new trees, you join fellow Marylanders who have already planted and registered over 47,000 trees. You will also automatically be entered into a monthly [drawing](#) for a gift card from a Maryland nursery, a locally-grown Christmas tree, a yacht tour of the Chesapeake Bay and other exciting prizes. The website also allows you to calculate the environmental and economic benefits of your new trees and learn how to plant and care for them. Be sure to use the interactive maps to see how you are part of a larger community planting trees throughout our State. [Tree-Mendous Maryland](#) has just restocked their fall tree inventory. These are high-quality, native trees and shrubs and are available at reasonable prices for planting in community open spaces, school grounds, government facilities and right-of-ways. Click [here](#) to download the order form. Get your order in now for the best selection! [Green Schools](#) will receive a 1:1 match for up to 20 trees when ordering through the Tree-Mendous program. If you are not able to plant at tree in your own yard, consider giving the [Gift of Trees](#) – a program that plants native trees in honor or memory of family and friends, or to celebrate holidays, birthdays, anniversaries and other special occasions. PLANT and BE COUNTED is a call to all Marylanders and businesses from Governor Martin O'Malley and DNR to plant and register 50,000 trees a year. It's something each of us can do to create a smarter, greener future for our families for generations to come. Trees... An Investment In The Future. Don't forget to register your trees at www.trees.maryland.gov. For more information contact: Lindsay Major lmajor@dnr.state.md.us or (410) 260-8510

Online Network Available for Environmental High Schools

The Nature Conservancy and The Ecological Society of America offer the first formal network for environmental high schools to share conservation ideas and best practices. Designed with environmental high school partners, the website offers peer mentoring, professional development workshops for educators, and access to scientific resources. The site also features reviews of existing environmental curricula by leaders in the environmental education field. For more information: Nature Conservancy – EE Network <http://www.nature.org/leaf/about/educators.html>

Hands-on Saturday Workshops Focus on Standards

During the 2010-2011 school year, elementary and middle school teachers may register for Saturday Science Workshops taught by Penn State University researchers and faculty in State College. Educators may participate in hands-on activities and discussions designed to deepen understanding of topics aligned to the Pennsylvania elementary and middle school academic standards. Act 48 credit may be available; registration is required. For more information: PSU – Saturday Science Workshops <http://csats.psu.edu/satsci/schedule.cfm>

Penn State Offers Sustainable Landscape Technology Certificate

Pennsylvania State University has developed a Sustainable Landscape Technology Certificate to address issues of landscape sustainability. The program is designed to emphasize techniques that reduce chemical applications, encourage use of native plants and enhance eradication methods for invasive plants. Penn State campuses in Beaver and Fayette, and the Penn State Center in Pittsburgh offer classes beginning in either the fall or spring terms; no pre-requisite courses are required. For more information: PSU – Sustainable Landscape Certificate <http://pittsburgh.center.psu.edu/strategic-initiatives/sustainable-landscape-technology-certificate>

New PA Center For Environmental Ed Website Goes Live November 15

The new [PA Center for Environmental Education](#) website will be posted live on November 15. Offering a sleek new look, better organization and multiple search options makes it easy to find environmental education resources in Pennsylvania. Click here to get an early peak at the new homepage www.pcee.org

PPL Brunner Island Preserve Fall 2010 Environmental Programs

DATE	PROGRAM	LOCATION*	TIME
Sat., Nov. 20	Nature Walk and Animal Tracking	BIW	10-11:30 a.m.
Wed., Dec. 8	Ice Farming the Susquehanna River	CR**	7-8 p.m.

Note: Advance registration is required for all programs at Brunner Island Power Plant because of security requirements. ** Location Code: **BI- Brunner Island Power Plant **CR – Brunner Island Power Plant Main Conference Room, Gate A BIW– Brunner Island Wetlands

PPL Holtwood Preserve Fall 2010 Environmental Programs

DATE	PROGRAM	LOCATION*	TIME
Sat., Nov. 6	Lock 12 Historical Walk	L12	1-2:30 p.m.
Sat., Dec. 4	Bluebird Box Trail Maintenance	HEC	2-3 p.m.

* Location Code: HEC – Holtwood Environmental Center L12 – Lock 12 Historical Area C – Conestoga For more information, please visit www.pplpreserves.com, Call 1-800-354-8383 or e-mail pplpreserves@pplweb.com. For current river conditions, call the Lower Susquehanna Hot Line at 1-800-692-6328.

WATERSHED FINANCIAL ASSISTANCE

Project Learning Tree 'GreenWorks' Pollinator Garden Grants – Dec 1

"GreenWorks" grants connect Project Learning Tree educators and their students with their local communities in "learning-by-doing" environmental projects. Project Learning Tree and the U.S. Department of Agriculture Forest Service are offering grants to teachers and students participating in PollinatorLIVE. Participating teachers can apply for "GreenWorks" funding to create pollinator gardens in their schoolyard or community. Maximum grant amount is \$1,000; the deadline is Dec. 1. For more information: PLT – Pollinator Garden Grants http://www.plt.org/cms/pages/21_22_274.html

Conservation Fund Grant Proposals – Dec. 1

The SeaWorld and Busch Gardens Conservation Fund is a nonprofit foundation created to support wildlife conservation, research and education. The fund is accepting online applications from nonprofit organizations, governmental entities, universities, research centers and institutions accredited by the Association of Zoos and Aquariums or the Alliance of Marine Mammal Parks and Aquariums. Grant applications are due Dec. 1. <http://www.swbg-conservationfund.org/grantInfoA.htm>

Geotourism Challenge – Dec 1

Ashoka's Changemakers, National Geographic and the Inter-American Development Bank are sponsoring the "Geotourism Challenge 2010: Saving Coastal and Freshwater Destinations" competition. The contest is open to anyone and accepts submissions describing sustainable models that improve the quality of oceans, rivers, bays, lakes, estuaries and waterways. Entries should describe innovative ideas that engage and educate tourists as well as local residents; deadline is Dec. 1. For more information: Geotourism Challenge 2010 <http://www.changemakers.com/coasts>

American Rivers and NOAA Accepting Proposals for Community-Based River Restoration Grants – Dec 8

American Rivers is seeking proposals for river restoration project grants as part of its partnership with the National Oceanic and Atmospheric Administration (NOAA) Community-based Restoration Program. Projects in the Northeast (ME, NH, VT, MA, CT, RI), Mid-Atlantic (NY, NJ, PA, DE, VA, MD, DC), Northwest (WA, OR, ID), and California are eligible to apply. We are also excited to announce that, for the first time, projects located in the South-Atlantic (NC, SC, GA, FL) are eligible to receive partnership funds from American Rivers. Projects located within the St. Lawrence/Great Lakes Basin are not eligible for funding at this time. Applications are currently being accepted for 2011 project funding with a deadline of December 8, 2010. www.americanrivers.org/NOAAGrants <<http://www.americanrivers.org/NOAAGrants>

Pennsylvania: WPC and Dominion Resources Seek Proposals for Watershed Mini Grants – Dec 15

The Western Pennsylvania Conservancy is accepting proposals for the 2010-2011 Watershed Mini Grant program, which provides assistance to the region's grassroots watershed groups. Funding for the program is provided by Dominion. The mini-grants program supports operating costs, organizational promotion and outreach, and/or watershed restoration projects. Grants of up to \$1,000 may be awarded for operating expenses. Up to \$2,500 is available for promotion and outreach or restoration projects. <http://www.paconserve.org/news/view/128>

Coldwater Heritage Partnership Now Accepting Grant Applications – Dec 17

The Coldwater Heritage Partnership this week announced the opening of the Coldwater Conservation Grants Program to protect and conserve the health of Pennsylvania's coldwater ecosystems. The deadline for applications is December 17. Two grant programs are available:

- Coldwater Conservation Planning Grants: These grants are designed to help develop conservation plans that identify the values and threats to the health of our coldwater ecosystems that have naturally reproducing trout. The collected information can be used as a catalyst for more comprehensive planning or for development of watershed improvements projects. The partnership will award grants averaging approximately \$6,000 to organizations to outline strategies that best conserve and protect our coldwater fisheries. Additional details can be found in the attached grant application.
- Coldwater Conservation Implementation Grants: These grants are designed to help implement the numerous projects identified in completed Coldwater Conservation Plans. Since 2003, sixty five Coldwater Conservation Plans have been funded. Many have identified important projects that will protect and conserve coldwater ecosystems. Projects funded under this category must be identified in an already completed Coldwater Conservation Plan, and must enhance, conserve or protect the coldwater stream for which the plan was completed. The partnership will award grants averaging approximately \$7,000. Additional details about types of projects can be found in the attached grant application.

The CHP is a cooperative effort of Pennsylvania Council of Trout Unlimited, the Department of Conservation and Natural Resources, the Fish and Boat Commission and the Foundation for Pennsylvania Watersheds. Applications, guidelines and more information are available at the Coldwater Heritage Partnership website or by contacting PATU Coldwater Resource Specialist Deborah Nardone at 814-359-5233 or by sending email to: c-dnardone@state.pa.us.

Environmental Education Grant Applications Now Being Accepted By DEP – Dec 17

Applications for the 2011 [Environmental Education Grants Program](#) are now available by the Department of Environmental Protection. The deadline for applications is December 17. The grants of up to \$7,500 provide funding to schools, universities, intermediate units, environmental education centers, county conservation districts, incorporated nonprofit organizations and associations and businesses to create or develop projects that support environmental education in the Commonwealth. Grants will provide environmental education on timely and critically important topics, including the following:

- Sustainable Energy Sources and Technologies including solar, wind, hydro, microhydro, biomass, geothermal, alternative transportation fuels and energy efficiency and conservation;
- Carbon Capture and Storage/Climate Change including terrestrial sequestration and other related issues;
- Air Quality including ground level ozone, transportation and electric generation issues;

- Watersheds and wetlands focusing on abating abandoned mine drainage, reducing non-point source pollution and enhancing water conservation; and
 - Chesapeake Bay Watershed Education with a focus on nutrient and sediment loads, point and non-point source pollution reduction.
- The Environmental Education Grants Program was established by the Environmental Education Act of 1993, which mandates setting aside 5 percent of the pollution fines and penalties collected annually by the Department for environmental education in this Commonwealth. Applications [are available online](#) or by contacting DEP's Environmental Education Grants Program, P.O. Box 2063, Harrisburg, PA 17105-2063 or calling 717-772-1828.

The Cora L. Brooks Foundation announces the availability of 2011 grants for watershed projects – Jan 10

The Foundation provides annual, anonymous grants for the purpose of environmental conservation, restoration or education within the watersheds of the Delaware and Susquehanna Rivers, with particular emphasis on environmental protection issues relating to clean water and water related ecologies. Grant amounts range from \$1,000-\$15,000 and may be used for a variety of purposes including the need for matching funds. To apply for a grant, the organization must contact the Foundation no later than December 20 to request an application package. The grant application itself is then due on January 10. Grant notifications and awards are mailed in late May, 2011. For further information, please consult our website www.foundationoffices.org (please forgive the out-of-date deadlines, the site is being updated,) call 610-954-7737, or email Laura Kaplus, lhk01@foundationoffices.org.

NRCS Extends CSP Sign-Up – Jan 17

Last week, Natural Resources Conservation Service (NRCS) Chief Dave White announced the application deadline for the Conservation Stewardship Program (CSP) has been extended to January 7, 2011. This program was authorized in the 2008 Farm Bill and offers payments to producers who maintain a high level of conservation on their land and agree to adopt higher levels of stewardship. CSP is offered in all 50 states, District of Columbia, and Pacific and Caribbean areas. According to Chief White, the extension will hopefully allow more producers to participate in the program. CSP provides conservation improvements, including water and soil quality, wildlife habitat enhancement and the adoption of conservation activities addressing climate change. Eligible land includes cropland, pastureland, rangeland, and nonindustrial forestland. All eligible producers are encouraged to apply. For more information on CSP, click here http://www.nrcs.usda.gov/programs/new_csp/csp.html.

Pennsylvania Expands Keystone HELP Loan Program to Help Homeowners Install Money-Saving Geothermal Systems

HUMMELSTOWN, DAUPHIN CO. – Pennsylvania homeowners who want to cut their heating and cooling bills in half now have a new, affordable method for financing clean geothermal heat pump systems. The new Keystone Home Energy Loan Program option offers low-interest loans that are combined with companion loans given in anticipation of federal tax credits for fuel-conserving geothermal systems. The program is made possible with \$5 million from the federal American Recovery and Reinvestment Act and could help as many as 750 homeowners purchase geothermal systems. Installing the systems will create hundreds of jobs for contractors like G.F. Bowman. By taking advantage of these federal and state incentives, geothermal systems can pay for themselves within only five to 10 years. Under the new geothermal loan program, qualifying homeowners can take advantage of an unsecured 4.99 percent loan for up to \$15,000 with a term of up to 10 years. McCord noted that homeowners can also elect to take an optional “tax credit anticipation loan” equal to the expected 30-percent federal tax credit up to a maximum of \$10,000. The HELP program will make the first 12 monthly payments of the tax credit anticipation loan and homeowners can use the tax credit they receive to pay the remainder of the loan without any prepayment penalties. Other special financing is available to homeowners who install a geothermal heat pump system as part of a comprehensive “whole house” improvement project recommended through a certified energy audit. In this case, qualifying homeowners can obtain a secured Keystone HELP loan for up to \$35,000 with rates as low as 2.875 percent. All work financed through Keystone HELP must be completed by a certified local contractor. Created in 2006 by the Pennsylvania Treasury and AFC First Financial Corp. of Allentown, Keystone HELP offers affordable energy efficiency financing options, including rebates and low-interest loans, enabling homeowners to purchase and install energy efficient equipment or undertake improvements to cut energy use. Keystone HELP began offering even lower rate loans in 2009, when Treasury partnered with DEP to expand the program’s impact by using funds provided under Pennsylvania’s 2008 Alternative Energy Investment Act. Keystone HELP has helped more than 7,000 homeowners finance more than \$58 million in money-saving home improvements. Visit www.keystonehelp.com to learn more or to apply for a loan.

Economic Recovery Funding for Drinking Water and Wastewater Infrastructure

The Clean Water State Revolving Fund and Drinking Water State Revolving Fund projects have been funded \$4 billion for assistance to help communities with water quality and wastewater infrastructure needs and \$2 billion for drinking water infrastructure needs. A portion of the funding is targeted towards green infrastructure, water and energy efficiency, and environmentally innovative projects. <http://www.epa.gov/recovery/>

Charrette Grants

Up to \$5,000 are available from Enterprise to assist with integration of green building systems. <http://www.greencommunitiesonline.org/tools/funding/grants/charrette.asp>

Sustainability Training Grants

Up to \$5,000 are available post construction to develop a new curriculum of education and training for operations and maintenance staff. <http://www.greencommunitiesonline.org/tools/funding/grants/sustainability/index.asp>



WATERSHED FACILITATION ASSISTANCE

Stream Ecology and Riparian Buffer Workshop – Nov 15

8:30 am to 2:00 pm. St. Paul's United Methodist Church, 398 North Locust Street, Elizabethtown, PA. The workshop features one of the world's foremost experts on stream ecology, Dr. Bern Sweeney, Director, Stroud Water Research Center. Dr. Sweeney will present on stream ecology and the functions and values of forest riparian buffers, with emphasis on their water quality benefits. The workshop will also include a field visit to a local buffer site and presentations and discussion of buffer restoration programs and opportunities for streamside landowners in the Conewago Creek watershed and beyond. The workshop includes lunch and is free to all participants. Who should attend? streamside landowners; Conservation District, NRCS, FSA, and Cooperative Extension staff; municipal officials; planning commission members; EAC members; park and recreation professionals and volunteers; land trust staff and volunteers; developers; consultants; environmental educators; anyone who wants to learn more about improving the water quality of our local streams! This is a tremendous opportunity for our watershed and region. Space is limited, so if you are interested in attending, please register today at www.surveymonkey.com/s/Stream_Workshop. Questions? Contact Matt Royer at mroyer@psu.edu, (717) 948-6459. To learn more about Stroud Water Research Center, visit www.stroudcenter.org. To learn more about the Penn State Agriculture and Environment Center, visit www.aec.cas.psu.edu.

EPA to Hold Listening Sessions on Potential Chesapeake Bay Stormwater Rule – Nov 16 & 17

EPA to Hold Listening Sessions on Potential Chesapeake Bay Stormwater Rule The U.S. Environmental Protection Agency (EPA) will hold five listening sessions and one webcast to seek feedback from citizens on provisions in a proposed stormwater rule that will affect the Chesapeake Bay watershed. In December 2009, EPA initiated a national rulemaking to better protect waterbodies from the harmful effects of stormwater discharges from new development and redevelopment. EPA is now soliciting input specifically on potential provisions of the stormwater rulemaking with respect to the Chesapeake Bay watershed. As part of the listening sessions, EPA will also address environmental justice considerations. The local sessions will be held:

- November 16, 2010, 12 p.m. to 3 p.m. EST webcast listening session.
- November 17, 2010, Harrisburg, Pa., 2 p.m. to 5 p.m. for the listening session and 6:30 p.m. to 8:30 p.m. for the environmental justice discussion.

The public can find more information on the specific locations of the sessions and register by going to the website below. EPA will accept written comments on the potential rule until 60 days after publication in the Federal Register. To register or for more information on the listening sessions: <http://www.epa.gov/npdes/stormwater/rulemaking>.

Building One PA hosts film screening in Harrisburg: Save the date – Nov. 17

What: YorkCounts invites you to a film screening of ["The New Metropolis."](#) a two-part documentary that explores the challenges faced by older American communities and points toward solutions for their revitalization. The screening will be followed by small-group discussions and a panel discussion. When: 7 p.m. Nov. 17. Where: Market Square Presbyterian Church, 20 S. Second St., Harrisburg. How much: Admission is free, but advance registration is requested. More information: [Building One Pennsylvania](#) is an emerging statewide coalition of community leaders from diverse sectors – including municipal, school, faith, business, labor and civic – who are joining together to stabilize and revitalize their communities through the direct engagement and mobilization of their fellow citizens. The screening is part of a series of regional events across the state to raise awareness of the issues being taken up by Building One Pennsylvania, including reversing state policies that undermine the middle class, rethinking development policies that perpetuate sprawl, investing in infrastructure and addressing education funding. The regional events will lead up to a second BOPA statewide summit in 2011. For details: Contact Dan Fink at YorkCounts at 717-650-1460 or at dfink@yorkcounts.org. To register, send an e-mail with your name, municipality and phone number to events@yorkcounts.org.

Where Do We Grow From Here - Nov 17

Register now for Where Do We Grow From Here? Bay Friendly Development in the 21st Century, a conference on development, environment, and the Bay presented jointly by the Chesapeake Bay Foundation and the Home Builders Association of Maryland. The conference is being held 8:15 – 3:00 Wednesday November 17 at the Martin's West in Baltimore. Preregistration is required. Visit www.bayfriendlydev.org for details and to register. Leaders from throughout Maryland representing environmental advocacy, building development, government, and academia are invited to participate, interact, and learn at the conference. The intention is to generate new ideas and initiatives and help set a tone in Maryland for a better way to address complex issues based on collaboration rather than confrontation as a first step. Realtors attending the conference may be eligible to receive continuing education credits. Please join us. Register today!

ssbn Think Local First Campaign Kick-Off & Annual Meeting – Nov 18

ssbn and Aaron's Books invite you to a Think Local First Holiday Campaign Kick-Off & Annual Membership Meeting Thursday, Nov. 18 6-8pm. Learn about the importance of shopping local this holiday season. Pick up a Think Local First kit with materials to display and distribute to your customers. Hear about Aaron's Books' new partnership with leading sustainable living publisher Chelsea Green, and their business to business opportunities. Receive your 2010 annual report to members and learn about plans for 2011. Vote for new board members. RSVP Now!

<https://events.r20.constantcontact.com/register/eventReg?llr=iwdak9dab&oeidk=a07e343g1oq1de7cb52&oseq=a015igdn365d1>

Presentation on PERMACULTURE – Nov 21

Presentation on PERMACULTURE Set for Sunday, November 21 at 7 PM. Permaculture (PERMANent agriCULTURE) is a developing yet proven field of agriculture. It attempts to mimic natural patterns of symbiotic plant/animal growth for a low-input, moderate-output food system. Combining these natural patterns of nature with planned human manipulation, sustainable food sources requiring little total energy input can be produced. Symbiotic relations between animal, plant and humans help boost resistance to disease and pests while also creating a more humane and healthy product. Permaculture is practiced internationally, wherever a concern for sustainable food, site ecology and environment, and human/animal needs is emphasized. The basic principles may be applied to most any climate and site specific considerations. Bryce Pomper, Horn Farm Center volunteer who wrote this article, is attending a Permaculture seminar in Vermont and will be presenting a report on this topic at the Horn Farm Center farmhouse on November 21 at 7 pm. The public is welcome

Susquehanna Heritage Lecture Series – Safe Harbor Petroglyphs - A Native American Legacy Carved in Stone Presented by Paul Nevin – Dec 1
Wednesday December 1, 2010, 7pm at Zimmerman Center for Heritage, 1706 Long Level Road, Wrightsville, PA 17368. The Safe Harbor Petroglyphs are an enigma of the Susquehanna River. Lying almost forgotten for many years, these ancient American Indian rock carvings were "rediscovered" by Paul Nevin in the 1980's. In the years since, they have resurfaced from obscurity and been elevated from the status of "prehistoric graffiti" to a place that is rightly held as sacred by many Native Americans. Paul is former president of the Society for Pennsylvania Archaeology and board member of the Eastern States Rock Art Research Association, and has also associated with Native American elders and teachers for many years. In his presentation, he melds these experiences and knowledge to bring insight into the meanings and purpose of this special place. The cost for the lecture is \$10/person. Due to limited seating, advance registration is required. Light refreshments will be served. Registration is available online via our website www.SusquehannaHeritage.org, or by calling 717-252-0229 ext. 4. Proceeds benefit the operations and programs of Susquehanna Gateway Heritage Area.

2011 Short Course – Assessment and Sediment-Based Design of Stream Restorations – Dec 1

Participants will learn assessment and design techniques that have been implemented by the University of Louisville Stream Institute in several Kentucky stream and wetland restorations. In these restorations, floodplains and stream channels were reconstructed to reestablish the historic surface and subsurface processes that would have occurred at the sites prior to human-imposed changes to the watershed's hillslopes, valleys, and stream channels. These self-sustaining restorations have the capacity to adjust to changes in the watershed; they are able to maintain grade control and stable habitat without being constrained to a fixed form that would be necessitated by structures commonly installed to direct flow through the channel. The 10-day course will be delivered in three parts. The course is intended for professionals involved in conceptual design, detailed design, or review of stream restorations. Previous completion of other short courses is not required; the course content will be significantly different from most other available restoration courses. Due to the technical content of the course, however, a working knowledge of engineering concepts and methods is recommended but not required. Instructors – Dr. Art Parola, PE, Director of the Stream Institute and Professor of Civil and Environmental Engineering at the University of Louisville, will lead the course along with specialists in the fields of geomorphology, characterization and transport of sediments, natural channel forms and design, and water quality. The registration fee will be waived for government employees. For all other registrants, the fee for the course will be \$1795 and will include tuition, course materials, and transportation to field sites. Participants will be eligible for 70 professional development hours. A certificate of completion will be provided only to those who attend the entire training. Enrollment will be limited to 30 participants who can commit to attending the full 10-day course (Parts 1-3). Go to <http://louisville.edu/speed/civil/si/2011course/apply> to submit an application by December 1, 2010. Applicants will be notified by December 20, 2010, of their acceptance. Registration forms and payment will be due by February 1, 2011.

Hershey Hosts Science Teacher Association Convention – Dec 1-3

Teachers, administrators and anyone interested in science and environmental education in Pennsylvania are invited to attend the Pennsylvania Science Teachers Association convention Dec. 1-3 in Hershey. "HOPE: Humans Observing & Protecting Earth" is the theme of this year's convention that includes workshops, field trips and an exhibit hall. The focal point will be an "environmental alley" of vendors and state agencies that support environmental education; pre-registration ends Nov. 15 and onsite registration is available. For more information: PSTA – 2010 Convention <http://www.pascience.org/Conferences.php>

Managing Municipal Stormwater Protecting Water Quality, Streams, and Communities – Dec 15

Wednesday, December 15, 2010 9:00 a.m. - 3:45 p.m. York County Emergency Services 120 Davies Drive York, PA 17402. The Municipal Separate Storm Sewer System (MS4) Program is a federally mandated initiative, administered by the PA DEP. The program's ultimate goal is to ensure that Municipal stormwater conveyance systems are discharging clean water. Municipalities that are included in the program are required to perform public outreach and education as well as solicit public participation in clean water efforts. Municipalities must develop a map of their stormwater conveyance systems and create a method for detecting illicit discharges and a plan to eliminate those discharges. Further responsibilities include participation in regulation of erosion and sedimentation control during construction activities and post construction and perform "good house keeping" activities. This program is designed to help municipalities and municipal engineers implement new cost effective stormwater practices (BMPs). MS4 municipalities will learn more about the new applications and permitting that will be required to meet TMDLs for the Chesapeake Bay. If your community is an MS4, you should attend this meeting. Certificates of Attendance will be issued for Engineer PDH Credits. Penn State Cooperative Extension in partnership with the School of Forest Resources, York Conservation District, Watershed Alliance of York, DCNR, the Villanova Urban Stormwater Partnership, and the USDA Forest Service is providing this training for municipal officials, engineers, community planners and others interested in managing stormwater and protecting water quality. Registration Fee \$15. Registration Deadline is December 6, 2010 (covers morning refreshments, lunch and program materials). Make checks payable to: PSCE Program Fund and mail to: Penn State Cooperative Extension 112 Pleasant Acres Road York, PA 17402-9041 Telephone: (717) 840-7408. For more information, contact: York County Cooperative Extension at (717) 840-7408.

Choose Clean Water Conference 2011- Registration Now Open – Jan 10-12

January 10-12, 2011 – Park Hyatt Washington Hotel, [The 2nd Annual Choose Clean Water - Chesapeake Bay Restoration Conference](http://www.regonline.com/choosecleanwater2) is now open for registration. You can register here <http://www.regonline.com/choosecleanwater2>. We are excited to announce the second annual event to be held at the Park Hyatt Washington Hotel. Building on the success of our 2010 conference this event will bring together leaders from across the region with non-governmental organizations, the philanthropic community, and green businesses to discuss the policy strategies necessary to restore the hundreds of streams and rivers that flow into the Chesapeake Bay. Please fill out the survey here to let us know what you would like to see at the event! <http://polladdy.com/s/676942D2ADCD226A>

Maryland Association for Environmental and Outdoor Educations 26th Annual Conference "Educating for Sustainability" – Feb 10-13

UMUC Marriott Inn and Conference Center, Hyattsville, Maryland. Early Bird Registration Now Open! www.maeoe.org/conference. Scholarships for first time attendees are available - application deadline November 30. 2011 CONFERENCE HIGHLIGHTS: Wilderness First Aid Training Certification; Thursday Professional Development Institute; Evening Environmental Film Fest; Geocache your way to the Conference with National Park Service; Key Note - Chris Palmer - Environmental Filmmaker; Friday Pre-Conference Workshops; New Strands - Urban

Environmental Education & Environmental Health and Justice; Service Project: Build a Goose Fence. Networking with over 700 formal and non-formal educators from over 500 organizations, agencies, centers, schools and businesses. Field Experiences on the Anacostia, at Hard Bargain Farm and Prince George's County Municipal Composting/Recycling Facilities. Conference Registration Hotline - (443) 733-1220. E-mail: conference@maeoe.org. DOWNLOAD REGISTRATION BROCHURE - <http://www.maeoe.org/conference/brochure/documents/2011registrationfinal.pdf>



WATERSHED TECHNICAL ASSISTANCE

Clean Water for All: County Leaders Speak Out for Clean Water

The Conservation Leaders Network recently released a new report, "Clean Water for All: County Leaders Speak Out for Clean Water." This report tells the local stories of water pollution and destruction and the resulting harm and expense to communities. Read report...

http://www.conservationleaders.org/Clean%20Water%20for%20All_web.pdf

New White Paper Outlines How to Involve Residents as Citizens

The Alliance for Innovation has released a new white paper, Connected Communities: Local Government as a Partner in Citizen Engagement and Community Building, that encourages local governments to be in the forefront of advancing citizen engagement. The paper outlines how local governments can embrace citizen engagement as a means to promote democracy and community building, as well as expand support and get buy-in from citizens on achieving collaborative goals. It can be used by local government officials and by instructors in courses on urban affairs. There are 12 essays written by experts on citizen engagement to consider five crucial questions:

- What is citizen engagement and what forms does it take?
- What are the alternative goals of citizen participation and engagement?
- Who is responsible for citizen engagement efforts?
- How does citizen engagement contribute to community building?
- What kind of local issues and decisions can benefit from positive and innovative engagement with residents?

Local government can encourage and support engagement, it can be a facilitator of action by others, and it can be receptive to initiatives that come from citizens, community organizations, and "social entrepreneurs"—individuals and groups that take it upon themselves to solve a community problem. In any of their interactions with citizens, local governments may consider encouraging engagement rather than simply seeking a one-way interaction. Both exchange and engagement can occur in the two broad areas of community governance: first, how the community decides what goals it should pursue and what policies it could make; and, second, how the community delivers services to residents and works together to address ways to make the community better. Local governments should broaden their perspective to see how engagement occurs in delivering services and meeting needs, as well as in making decisions. Connected Communities encourages local governments to honestly assess what they are trying to accomplish through citizen engagement and match the method(s) used to the intended purpose. The paper outlines four broad types of situations and methods that foster interactions in different ways: generating information, deliberating decisions, delivering services, and organizing neighborhoods. Readers will find model case studies that involve citizens in decision making, dialogue, delivering services, and shared efforts to solve problems. In addition, the study provides a glimpse of the new vision of the connected community and steps to help localities build an effective citizen engagement strategy. The paper and an executive summary are available at www.transformgov.org.

Using Catchment History to Identify Disturbance and Response Mechanisms to Set Targets for Process-Based Restoration

Many river restoration projects fail. Inadequate project planning underpins many of the reasons given for failure. Another major problem is the lack of an agreed guiding image to direct the activities aimed at restoring the necessary biophysical and ecological processes within the logistic constraints of on-ground works. Despite a rich literature defining the components of restoration project planning, restoration ecology currently lacks an explicit and logical means of moving from the initial project vision through to on-ground strategies. We present a worked example on the Upper Hunter River in southeastern Australia to show how understanding catchment history can reveal disturbance and response mechanisms, thus facilitating process-based restoration. Rad article... <http://www.ecologyandsociety.org/vol15/iss4/art8/>

Resources for new Wetlands Mapping Standard

The Association of State Wetland Managers (ASWM) has added a new webpage with detailed information about the Department of Interior's new Wetlands Mapping Standard. http://www.aswm.org/fwp/wetlands_mappingstandard/index.htm. For more information on the new standard: <http://www.fws.gov/wetlands/documents/gNSDI/FGDCWetlandsMappingStandard.pdf>

"Energy Conservation Measures at Wastewater Treatment Facilities"

A new EPA document, "Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities," presents technical and cost information about energy management and energy conservation measures and technologies. The publication includes nine in-depth facility studies that further examine application and cost information for various full-scale, operational energy conservation measures and technologies. <http://water.epa.gov/scitech/wastetech/publications.cfm>

Better Site Design Gets Better Webcast – Dec 15

December 15, 2010, 12-2 ET. This is the final webcast of the Center for Wetland Protection's 2010 Watershed & Stormwater Management Webcast series. The cost is \$119. www.cwp.org/our-work/training/webcasts.html

Sustainable Community Design- New Conservation Language for Subdivisions

The New Brunswick Department of the Environment developed new conservation language for subdivision development. An online seminar is available to educate homeowners, developers, bankers, engineers, planners, and municipal staff about the design concepts and their implementation. Resource(s): <http://www.gnb.ca/0009/0136/0005/index-e.asp>

Enterprise Green Affordable Housing Policy Toolkit

The [Enterprise Green Affordable Housing Policy Toolkit](http://www.practitionerresources.org/cache/documents/673/67398.pdf) (http://www.practitionerresources.org/cache/documents/673/67398.pdf) (PDF, 7MB) offers a roadmap for state and local governments working on green affordable housing initiatives. The toolkit describes methods to promote green affordable housing, processes for adopting new policies, and detailed guidance on implementation. The toolkit's case studies identify innovative policy from Denver, Washington, D.C., Iowa, Minnesota and Washington State. Each jurisdiction profiled has forged a unique but replicable path toward equitable and sustainable development. We recommend using this toolkit as a resource to strengthen green affordable housing policy in your community. Download <http://www.practitionerresources.org/cache/documents/673/67398.pdf>

EPA Technical Assistance on Sustainable Growth and Development

The U.S. Environmental Protection Agency (EPA) has chosen eight communities to receive technical assistance on sustainable growth and development issues. The assistance will help local governments address infrastructure constraints, protect water quality, set development standards, and create options for housing and transportation. EPA will work in collaboration with its partners at the Department of Housing and Urban Development (HUD) and Department of Transportation (DOT) to help communities become more environmentally and economically sustainable as part of the agency's broader work through the Partnership for Sustainable Communities.

www.smartgrowth.org/news/article.asp?art=7822

Sustainability Depends on Coordinated Investments

"It takes a regional framework to link transportation to jobs to housing to infrastructure," said Congress for New Urbanism co-founder Peter Calthorpe at the 10th Southwestern Pennsylvania Smart Growth Conference. This year the conference focused on alignment of integrated area plans and investments with U.S. HUD-DOT-EPA Partnership for Sustainable Communities assistance programs.

www.smartgrowth.org/news/article.asp?art=7825

Direct Potable Reuse Workshop Report is Now Available

This workshop report identifies information gaps and existing barriers to developing direct potable reuse regulations in California. The report was prepared by the California Urban Water Agencies, National Water Research Institute, and WaterReuse Association California Section, who are interested in developing a strategic plan for addressing barriers to direct potable reuse as a feasible water resource option. The report is available at: <http://www.nwri-usa.org/pdfs/DirectPotableWorkshopSummaryFINAL091010.pdf>.

DEP eNOTICE - Regulation Update

On 11/4/2010, the Independent Regulatory Review Commission took the actions noted on the following final regulations:

- Adhesives, Sealants, Primers and Solvents – Approved
- 2. Flat Wood Paneling Surface Coating Operations – Approved
- 3. Lead and Copper Short Term Revisions – Approved

You will be notified when the approved final regulations are published in the [Pennsylvania Bulletin](#).

Proposals Currently Open for Comment

Date Published In PA Bulletin	Proposal	Comment Deadline
9/18/2010	Deer Creek and Little Falls York Shrewsbury Township Stream Redesignations (25 Pa Code, Chapter 93) Published PA Bulletin Notice	11/02/2010
9/25/2010	Commercial Fuel Oil Sulfur Limits for Combustion Units Published PA Bulletin Notice	11/29/2010
9/25/2010	Control Measures under Consideration by the Ozone Transport Commission Published PA Bulletin Notice	10/15/2010
10/23/2010	General Permit for Short-Term Construction Projects BMR-GP-103 Published PA Bulletin Notice Draft GP	11/15/2010