

## WAY E-NEWS

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



Monday, April 29, 2013

A PUBLIC-PRIVATE PARTNERSHIP

Volume 13, Issue 9

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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
- 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
- FISH KILL 1-855-347-4545

**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 4/27/2011

## 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 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)

- April 29, 30 & May 1 are the dates for planting over 2000 trees & shrubs at the Wagman Farm. Red Lion HS, Dallastown HS, Logos Academy and PADEP will be sending students and volunteers to help, all others are welcome as well. Volunteers please bring your own shovels. The Wagman Farm is located at 710 Arbor Drive which follows the same valley as Barshinger Creek. Work will begin at 9:00 am each of those days. I'll be notifying the teachers. Contact Jim Leaman at [leamo2@comcast.net](mailto:leamo2@comcast.net).
- May 13 CCWA's 12<sup>th</sup> Annual Meeting, The York Water Company's Employee Center, Hess Farm Rd., Jacobus 7:00 PM
- July 8 –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)

- For more information, contact the York County Community Foundation at 717.848.3733; Email: [info@yccf.org](mailto:info@yccf.org)

### **Codorus State Park**

- Contact Manager Warren Werntz, Codorus state Park Ph: 717-637-2816; E-mail: [codoruspp@pa.gov](mailto:codoruspp@pa.gov)

### **Conewago Canoe Club** - [www.conewagocanooclub.org](http://www.conewagocanooclub.org)

- Club Meets bi-monthly at Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville
- 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. Ph: (717) 843-4411 or e-mail [skenny@farmtrust.org](mailto:skenny@farmtrust.org)

### **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. Ph: 717-432-5011

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

- Contact: Gunpowder Valley Conservancy, P.O. Box 9733. Towson, MD 21284. Or Assistant Project Manager Rachel Streusand [rstreusand@gunpowderfalls.org](mailto:rstreusand@gunpowderfalls.org).

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

- Contact: Horn Farm Center for Agricultural Education. Ph: (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/)

- Club Open Meetings are held the Third Tuesday of each month at 7pm in the Clubhouse.
- Contact: York Chapter #67 IWLA. Ph: 717-428-2000

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

- 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/waters/tribstrat/>

- Contact: Rupert Rossetti, Tributary Team Coordinator, e-mail: [RupertRossetti@aol.com](mailto:RupertRossetti@aol.com)

### **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)

- April 29 – Advisory Board meets at 6:30 PM, at the 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)

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

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

➤ Contact GVP Sierra Club, P.O. Box 606, Harrisburg, PA 17108-0606. [GVPsierraClub@email.com](mailto:GVPsierraClub@email.com)

**Shank's Mare Outfitters GO PLAY OUTSIDE!** – [www.shanksmare.com](http://www.shanksmare.com)

➤ Call Us: 717-252-1616. Email us: [Shanksmare@comcast.net](mailto:Shanksmare@comcast.net)

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

- April 12 – Board of Directors meeting, 6:30 PM, at Spoutwood Farm Center.
- 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/>

➤ Contact Mark Platts, Susquehanna Heritage Corporation. Ph: 717-252-0229. E-mail: [info@lyhr.org](mailto:info@lyhr.org).

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

- 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)

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

- The MCTU monthly membership meeting will be held at the Sugar and Spice Restaurant in Brogue on Wednesday, April 17 at 7:00P.
- Contact: Ron Heuston, President MCTU, 244-1851 or [Heuy1955@aol.com](mailto:Heuy1955@aol.com)

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

- WAAC meets the 4<sup>th</sup> Wed, 8:30AM, at the Adams County Ag Center
- 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)

- July 10, 2013 – Annual Meeting of WAY Board of Directors, 7:00 PM, at The York Water Co., Mt. Rose Ave.
- 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.
- 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** – [www.wecologypa.org/](http://www.wecologypa.org/)

➤ Contact: Wecology 130 E.Market St., York, PA 17405. Phone: 717-718-7554.

**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 Wiest, Government Affairs Director, REALTORS Association of York & Adams Counties, Inc. Ph: (717) 843-7891. Fax: (717) 854-0720. <http://www.rayac.com>

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

➤ 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, 11:00 a.m. (December-March) and 2nd Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
- 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)

➤ For more information, contact York County Department of Parks and Recreation. Ph: (717) 840-7440. E-mail: [Parks@York-County.org](mailto:Parks@York-County.org). Web: [www.YorkCountyParks.org](http://www.YorkCountyParks.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)

**York County Solid Waste Authority** – <http://www.ycswa.org/>

➤ Contact YCSWA at 717-845-1066



## **WATERSHED EDUCATION & OUTREACH**

### **EPA and American Rivers Announce Preservation of 135 Acres of Forestland in Adams County, Pa.**

BIGLERSVILLE, Pa. (April 19, 2013) – The U.S. Environmental Protection Agency and American Rivers today announced that the Land Conservancy of Adams County will permanently preserve 135 acres of forest through a conservation easement on lands owned by Boyer Nurseries and Orchards in Biglerville, Pa. This land preservation was made possible through a \$250,000 EPA grant with matching funds coming from the Adams County Green Space Program. EPA Regional Administrator Shawn M. Garvin and American Rivers Senior Vice President for Conservation Chris Williams were joined by U.S. Representative Scott Perry, Adams County Commissioners' Chairman Randy Phiel, and Land Conservancy President Norma Calhoun. The announcement was made at the Boyer Nurseries and Orchards. Under a cooperative agreement with EPA, American Rivers is implementing the environmental grant program which supports local economies and quality of life improvements in the Potomac Highlands. The program also supports efforts to protect the Highlands' valuable ecosystems, some of which host the most diverse and globally important resources on Earth. The 135 acres in Adams County is located in the Marsh Creek Watershed which drains into the Monocacy River and flows into the Potomac River through the nation's capitol and into the Chesapeake Bay. The region's streams and forests are a rich habitat for fish, wildlife, and plants, many being rare and unique. The appeal of the region's beauty and character makes the Highlands an increasingly popular recreation and tourism destination. American Rivers is a leading organization working to protect and restore the nation's rivers and streams. Rivers connect us to each other, nature, and future generations. Since 1973, American Rivers has fought to preserve these connections, helping protect and restore more than 150,000 miles of rivers through advocacy efforts, on-the-ground projects, and the annual release of America's Most Endangered Rivers®. Headquartered in Washington, D.C., American Rivers has offices across the country. Since 1994, the Land Conservancy of Adams County has worked to preserve land for agricultural, open space, historical, scenic, recreational, wildlife habitat, hydrologic, and ecological purposes. It currently holds 120 easements covering more than 7,000 acres. Property owners do not give up ownership of their land. A conservation easement, which is permanent, is recorded in the Office of Recorder of Deeds and is attached to the property's deed so that all future owners will be aware of the conditions of land use when they receive a title report. For more information on EPA's strategy for restoration and protection of EPA Highlands Action Program, go to [www.epa.gov/reg3esd1/highlands-plan.html](http://www.epa.gov/reg3esd1/highlands-plan.html)

### **Conservation on farms is highly underestimated**

*The Star Democrat* – According to a study by soil conservation experts released in March, farmers in Maryland's Queen Anne's, Kent and Howard counties have been implementing environmentally conscious practices on their own to the extent that the Watershed Implementation Plan will need to be re-evaluated. Conservation on Maryland farms in general, may be underestimated by 40 to 50 percent according to the data. Most of these undocumented practices were installed by farmers because it's the right thing to do, the farmers said. Read more... [http://www.stardem.com/real\\_estate/article\\_2c3cbf32-a2e2-11e2-858b-001a4bcf887a.html](http://www.stardem.com/real_estate/article_2c3cbf32-a2e2-11e2-858b-001a4bcf887a.html)

### **'Perfect Storm' Threatening Susquehanna River – Pollution, Warming Waters, and Parasites Harming \$166 Million Fishery**

(HARRISBURG, PA) -- Scientific researchers suggest that a 'perfect storm' of high levels of nitrogen and phosphorus pollution, pesticides, and endocrine disrupting chemicals along with warming water temperatures and parasites are threaten one of Pennsylvania's most popular game fish, the smallmouth bass, according to a new Chesapeake Bay Foundation (CBF) report. Smallmouth bass fishing in Pennsylvania generates \$166 million for local economies, supporting 1,300 jobs, according to data from the American Sportfishing Association and the U.S. Fish and Wildlife Service. The report, [Angling for Healthier Rivers](#), shows the possible link between phosphorus and nitrogen pollution and diseased and dying smallmouth bass. Although notable reductions in phosphorus and nitrogen pollution have occurred in the Susquehanna River since the 1980s data indicates that levels still remain elevated. Data from the U.S. Geological Survey indicates that between 2007 and 2011, 12 of 24 monitoring sites in the Susquehanna River and its tributaries had levels of phosphorus pollution that were among the highest in the Chesapeake Bay region. In addition 11 of 24 sites had high levels of nitrogen. These pollutants not only can cause algal blooms that trigger spikes in pH levels and low-oxygen conditions that stress fish, they also create conditions that spur the growth of parasites that may be killing young smallmouth bass, new research suggests. Smallmouth bass are intolerant to many types of pollution and are often likened to the canary in a coal mine by providing scientists with a reliable gauge of water quality – good or bad. Populations in the Lower Susquehanna River in Pennsylvania, the Shenandoah River in Virginia, the South Branch of the Potomac River in West Virginia, and the Monocacy River in Maryland have all experienced disease or die offs in recent years. Anglers first reported diseased and dying smallmouth bass in the Susquehanna River in 2005. Since that time, catch rates are now a mere 20 percent of what they were before. The situation has become so serious that, to reduce stress on spawning fish, the Pennsylvania Fish and Boat Commission is halting all fishing for smallmouth bass from May 1 until June 15, for the second year in a row. Many fisheries scientists fear a collapse of the smallmouth bass fishery. While Blazer and her colleagues continue to fit these puzzle pieces together, through their work we are beginning to see the bigger picture. The smallmouth is showing us that this amazing natural resource, the Susquehanna River and the life in it, has limits to its resiliency. Pennsylvania and the other Bay states have committed to meeting water quality goals as established in its Clean Water Blueprint—this plan is the Commonwealth's roadmap to lowering pollution in the Susquehanna. When implemented, it will restore water quality in Pennsylvania's rivers and streams. Despite the clear evidence of a problem, Pennsylvania's Department of Environmental Protection (DEP) has determined it is premature to add the Lower Susquehanna to its impaired waters list. The federal Environmental Protection Agency (EPA) is currently reviewing that list and CBF has filed comments calling on EPA to reverse that decision. A determination is expected soon. Last month, the DEP released a detailed plan to study the river and the smallmouth bass population with the involvement of other state and federal agencies and commissions. Go to [www.cbf.org](http://www.cbf.org) to read the report

### **Bay Foundation Supports Senate Stormwater Bill – Encouraging House to Keep Process Moving Forward**

(HARRISBURG) – Harry Campbell, Pennsylvania Executive Director for the Chesapeake Bay Foundation (CBF) issued this statement following passage of Senate Bill 351, a stormwater bill introduced by Senator Erickson. The Bill was passed nearly unanimously with a vote of 49 in favor and only 1 opposed. "The Chesapeake Bay Foundation (CBF) supports Senate Bill 351 and commends the Senate for its decisive passage of this important piece of legislation. This Bill specifically empowers local governments to establish stormwater authorities to address local stormwater needs, such as maintenance and improvement projects. Passage of this Bill will allow cash strapped local governments to generate necessary funding targeted for local infrastructure, including projects that prevent local flooding and property damage. Stormwater runoff is one of the largest sources of pollution to Pennsylvania rivers and streams, including those that drain to the Chesapeake Bay.

Improperly managed runoff from aging and inadequate infrastructure is also a contributing factor to the devastating effects of flooding, especially within the Susquehanna River Basin, which is known to be one of the most flood prone river systems in the United States. By improving and maintaining local stormwater infrastructure our communities will be better able to protect properties from the devastating effects of flooding while at the same time improving water quality and reducing human health and welfare risks. While we've made progress implementing Pennsylvania's Clean Water Blueprint for the Chesapeake Bay, successfully reducing stormwater pollution remains a significant challenge. This legislation authorizes local communities to use another tool to meet local and regional clean water obligations. CBF encourages the House to pick up this piece of legislation and keep the process moving forward. Senate Bill 351 is imperative to enable local governments to address the issue of stormwater in the Commonwealth's local communities."

### **Eyes on the Bay Water Quality Website**

The Eyes on the Bay [Current Conditions page](#) lets you compare recent observations to long-term data. This feature is especially useful for putting conditions like spring water temperatures into context to understand why crabbing or fishing might be slower than usual. Of course, the latest information is always available online at [eyesonthebay.net](http://eyesonthebay.net).

### **Blog Spotlight: Small Streams**

Small stream ecosystems comprise more than 72 percent of U.S. river miles, and water quality of small streams can impact the condition of local and downstream ecosystems. Sarah Blau from EPA's Office of Research and Development introduces readers to EPA's experimental stream facility, one of only a handful of research facilities in the country designed to conduct small stream research that uses experimental systems designed to simulate natural conditions to study how pollutants affect stream habitat. Read Sarah's blog at <http://blog.epa.gov/science/2013/04/around-the-water-cooler-spotlight-on-small-streams/>.

### **Study on Picking up Pet Waste as Inexpensive Stormwater BMP**

ANNAPOLIS, Md. - It's not just good manners to clean up after your dog. A new [study](#) from the Center for Watershed Protection shows it's one of the most cost-effective ways to keep pollutants out of Chesapeake Bay. According to study author Karen Capiella, research program director at the Center, states and local governments are spending millions on projects to reduce storm-water pollution, but they could be saving big bucks with cheaper alternatives. "This was an attempt to look at which practices are going to get you the most bang for your buck," she described the study. The project also found that restoring urban streams and repairing sewer line leaks are relatively inexpensive yet effective ways to protect the Bay. Capiella noted that one of the biggest problems in older urban communities is overflowing storm-water drains that discharge into local rivers and the Bay. "They're not supposed to be flowing when it hasn't rained recently," she declared. "So, typically it's an illegal discharge of sewage or wash-water that's not supposed to be coming out of there." The study found that the least-cost-effective storm-water management initiatives include programs to eliminate or reduce the use of fertilizer on private property. A link to the full study is at [JamesRiverAssociation.org](http://JamesRiverAssociation.org).

### **Does Social Media "Like" Conservation?**

*The Scientist* – Environmental issues that resonate on an immediate, emotional level seem to play better on sites like Facebook than do longer-term, but no less serious problems. Social media is a powerful tool that can galvanize public support for conservation action. In a letter published in *Science* last October, researchers used an example of animal abuse in the context of the illegal wildlife trade to highlight the power of social media in bringing public attention to conservation issues ([L. T. P. Ngiem et al., Science, 338:192-93, 2012](#)). Based on our experience with Facebook, however, we caution that people are more likely to respond to issues that affect them on an immediate emotional level, which appears to be limited to certain aspects of conservation. Read more... <http://www.the-scientist.com/?articles.view/articleNo/34852/title/Opinion--Does-Social-Media-Like-Conservation-/>

### **"Natural Capital": Will Putting a Price on Nature Help Protect It?**

*Streams of Consciousness* – The benefits of green spaces and natural settings are becoming more apparent all the time: reduced stress, depression and feelings of aggressiveness; an increase in overall happiness; faster post-operative recovery; a decline in ADHD symptoms in children – all of these outcomes have been verified when people spend time in nature. The outdoors make us happier, cause us to be kinder and can even give us bigger brains. While you could say these kinds of benefits are priceless, there's a new trend afoot. By assigning a monetary value to natural elements in a healthy environment, it is hoped that governments, businesses and others in positions of power will come to see that protecting nature makes good financial sense. This concept of pricing ecosystem services and natural features – and allowing them to be bought and sold – is gaining wide acceptance among conservationists. But could this approach end up obscuring the unquantifiable, soul-restoring advantages of natural places and put them at even greater risk? Read more... [http://blog.gaiam.com/blog/%E2%80%9Cnatural-capital%E2%80%9D-will-putting-a-price-on-nature-help-protect-it/?goback=.gde\\_2181156\\_member\\_224955264](http://blog.gaiam.com/blog/%E2%80%9Cnatural-capital%E2%80%9D-will-putting-a-price-on-nature-help-protect-it/?goback=.gde_2181156_member_224955264)

### **Preventing Aquatic Invasive Species Spread Through Water Gardening**

New curriculum materials designed to educate water gardening enthusiasts about aquatic invasive species are available for use on the Penn State Water Resources website. Read more... [http://extension.psu.edu/natural-resources/water/discovery-watersheds/news/2013/preventing-aquatic-invasive-species-spread-through-water-gardening?utm\\_source=feedburner&utm\\_medium=email&utm\\_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29](http://extension.psu.edu/natural-resources/water/discovery-watersheds/news/2013/preventing-aquatic-invasive-species-spread-through-water-gardening?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29)

### **Days Down the Deer Creek**

*Phillip McKnight* – It was a November night when we pushed our canoe from the sandy shore into the cool trickling creek water. My friend sat in the front and I waded until the 50-degree water reached my knees. I swung a leg over the canoe and continued my journey into the dark and under the stars down northern Maryland's Deer Creek. I made the decision to embark on this 7 day sectional paddle of the entire Deer Creek because I grew up as a boy playing, and occasionally peeing in a gravelly stream that I didn't know at the time was called the Little Deer Creek. Now thirty, I realize that any action I did on the land (or in the water) surrounding that creek would eventually end up somewhere. I made the decision to find out where that somewhere actually was. I began the journey on a summer day near the intersection of the

Maryland/Pennsylvania line and I 83. The Deer Creek, with its headwaters reaching into York, PA, is Harford County's largest watershed, covering 38% of the county or approximately 171 square miles (Deer Creek Watershed Association). My friend Andrew, who owns property near the creek's headwaters, offered me the perfect place to launch the old kayak that I had owned since I was 13. I uncomfortably squeezed my body into the small black craft, said goodbye to my friend, paddled 5 strokes and then bottomed out on a shallow rapid. It was an anticlimactic start to a 35-mile journey. Little did I know then that the picture of me bottomed out on a sandy spit would be a common sight. Once grounded, I let out a frustrated grunt, and then used my hands to push myself into deeper water. Read more...  
<http://deercreekwatershed.com/?p=544>



## **WATERSHED FACILITATION ASSISTANCE**

### **JOIN US FOR THE FIRST SUSQUEHANNA RIVER FORUM – May 8**

Do you care about the health of the Susquehanna River, smallmouth bass, and the role that local water quality plays in our health, communities, economies, and quality of life? Then join us on May 8th for the first in a series of public forums about the River! Speakers include:

- Dr. Vicki Blazer, Research Scientist at USGS Leetown Science Center, National Fish Health Research Laboratory;
- Geoffrey Smith, Susquehanna River Biologist, Pennsylvania Fish and Boat Commission;
- Robert Little, MD, President, Harrisburg-Hershey Physicians for Social Responsibility; and
- Harry Campbell, Pennsylvania Executive Director, Chesapeake Bay Foundation.

When: Wednesday, May 8, 2013, 6 p.m. Where: Midtown Scholar Bookstore, 1302 North 3rd Street, Harrisburg, PA. RSVP: Contact Andrew Bliss with any questions and to RSVP at [abliss@cbf.org](mailto:abliss@cbf.org) or 717/234-5550. We look forward to seeing you there!

### **MAEscapes Native Plant Fest & Sale – May 18**

Saturday, May 18, 2013 - 9am to 2pm. Huge selection of native plants, trees and shrubs direct from the grower. Ask the Expert for all your gardening questions. The best garden tools and popular books by native plant experts. Food and drinks. NEW THIS YEAR

- Vegetable plants from the Horn Farm Center
- Herbs from the Mason Dixon Unit of the Herb Society of America

Join us at 8am (before the sale opens) for Pollinator Trial Garden Winners. Find the best plants for attracting pollinators. Additional talks at 9:30am, 10:30am and 11:30am – FREE! LOCATION: York County Annex, 112 Pleasant Acres Road, York, PA 17402. QUESTIONS? (717) 840-7408. Email: [MAEscapes@yahoo.com](mailto:MAEscapes@yahoo.com)

### **Stormwater Practices: A Chesapeake Bay Stormwater Training Partnership Workshop – May 17**

May 17, 2013 8:30am–4:30pm. Lower Allen Township Building, 2233 Gettysburg Road, Camp Hill, PA 17011. Only \$10 to attend! Light breakfast and lunch will be provided. Workshop Agenda

- Introduction to Stormwater Management
- Update on Pennsylvania Stormwater Program and MS4 Permit Overview
- LID Practices
- Designing Better Basins
- Site Design Exercise & Report Out
- Stormwater Design Considerations for Karst
- Developing a Chesapeake Bay Pollutant Reducton Plan and Local TMDL Guidance

DEADLINE TO REGISTER IS MAY 10, 2013. To register, contact Donna Morelli, Alliance for the Chesapeake Bay, [dmorelli@allianceforthebay.org](mailto:dmorelli@allianceforthebay.org). Payment can be made in advance or at the door. Checks can be mailed to: 3310 Market St., Suite A, Camp Hill, PA 17011. Registration limited to 50!

### **Seminar: Stormwater 2013: Implementation Realities – May 23**

Hello – please join the CWEA Stormwater Committee for a seminar entitled “Stormwater 2013: Implementation Realities” on May 23. The Seminar Cost of \$70.00 (\$80 for non-CWEA members) includes lunch and 7 contact hours! Thursday, May 23, 2013 8:30 AM - 4:30 PM MITAGS (Maritime Institute). Please register by May 14 - click <https://www.regonline.com/swrealities5-23-13>. Sessions:

- Welcome and Keynote - Regulatory and Legislative Updates
- Session 1: Preparing for Implementation: Restoration Financing
- Session 2: Restoration Nuts and Bolts: BMP Performance and BMP Maintenance
- Session 3: Implementation Realities: Restoration Accounting and Citizen Engagement
- 4:30: Wrap-up, Prize Drawings, and Happy Hour!

Jane McDonough, P.E., CWEA Stormwater Committee Vice-Chair, Brown and Caldwell, Beltsville, MD. [JMcDonough@brwnncald.com](mailto:JMcDonough@brwnncald.com). T 301.479.1268

### **Pennsylvania Campaign for Clean Water 2013 Annual Meeting – May 23**

*Messiah College – Mechanicsburg, PA* – Join other groups in the PA Campaign for Clean Water for our 2013 Annual Meeting. This meeting will help set our agenda and priorities for 2013 on our efforts to protect Pennsylvania's water resources. Join us for this all-day meeting on May 23 to:

- Learn about the work that Campaign for Clean Water Workgroups are taking right now.
- Help plan future work for protecting our water from fracking and stormwater pollution
- Bring your ideas for other efforts the Campaign for Clean Water should be taking
- Learn about current state and federal legislation and regulation that affects our water

If you have been active in a Campaign Workgroup, or are looking to get involved, please join us at the 2013 Annual Meeting! We will be holding the meeting on the campus of Messiah College, 20 minutes from Harrisburg, PA. Lunch will be provided. For more information, please contact Myron Arnowitt at [marnowitt@cleanwater.org](mailto:marnowitt@cleanwater.org) or 412-765-3053, x203. See you on May 23!

### **2013 River Experience – Jun 1**

York – Join SGHA for the 5th Annual River Experience, 5:30PM - 8:30PM. We're bringing the River to the City. Enjoy a fun, relaxing evening amid Visions of the Susquehanna River Art Collection, on temporary display at Marketview Arts in Downtown York.

- Tastings from Local Restaurants, Wineries & Breweries
- Silent Auction to benefit SGHA
- Live Music

Tickets may be purchased online or by calling 717-252-0229 ext. 6. New or renewal of SGHA Membership's available at half-price at time of event ticket purchase. Take advantage of this great offer! Become a Sponsor of this event by calling 717-252-0229 ext. 6.

### **EPA Region III 2013 Volunteer Monitoring Conference – Jun 7-8**

The conference will be held on June 7-8 at the [National Conservation Training Center](#) (NCTC) in Shepherdstown, WV. The cost is \$144, which includes your room and all meals. Lodging and meal reservations can be made by contacting NCTC at: (877) 706-NCTC (6282) or (304) 876-7900. The cost for a room and meals is \$144.00. The conference sessions will take place on Friday June 7th from 1:00 to 5:00 PM and on Saturday June 8th from 8:30 AM to 1:30 PM. There will be concurrent sessions on Friday and Saturday. Details can be found [HERE](#). Registration information will be available [HERE](#) in the near future.

### **Workshop on Adaptive Water Resource Management and Infrastructure – Jun 24-26**

The third national Climate Leadership Academy on Adaptation and Resilience will take a closer look at climate-related risks to water infrastructure and explore how new, sustainable business models are improving the resilience of communities' water resources, from water supply to waste water. This workshop is part of the broader Sustainable Communities Leadership Academy, a program that builds the capacity of communities - cities, towns, counties, metropolitan regions, and rural areas - to advance, accelerate and scale-up local solutions to the global challenges of climate protection and sustainable development. The goal is for team leaders to gather partners across agencies, sectors, and jurisdictions with whom they can both share this unique training and peer-learning opportunity, and enhance collaboration for building their community's climate resilience after they return home. Team composition choices should be driven by the nature of the water adaptation challenges the community faces. While this academy is geared towards serving cities/regions already engaged in developing and implementing local adaptation strategies, it is also open to communities who have yet to begin formalizing an adaptation strategy, but have identified adaptation as a key city focus. Interested local leaders should complete and return the online applications by May 1st. For more information, visit: <http://www.sustainablecommunitiesleadershipacademy.org/workshops/upcoming/adaptation-resilience-3.php>



## **WATERSHED FINANCIAL ASSISTANCE**

### **2013 Susquehanna Riverlands Mini Grants – May 15**

Click to download the following:

- [Application Instructions](#)
- [Application](#)
- [Announcement Letter](#)
- [CLI Work Plan Summary](#)
- [DCNR CLI Page](#)

### **Funding for Invasive Weed Control – May 17**

The National Fish and Wildlife Foundation (NFWF) has announced funding to combat invasive weeds in communities across the country through its "Pulling Together Initiative." This initiative is one of the only public-private partnerships to address invasive weeds nationally. As the invasive weed experts in the community, this is the perfect opportunity for conservation districts to lead, collaborate, and establish partnerships with local landowners, citizen groups and government agencies to form a local Cooperative Weed Management Area in their community. Through this partnership and grant funding, districts will create strategies for managing weed infestations on public lands, natural areas, and private working lands and mobilize the community for this purpose. Cooperative Weed Management Areas typically range in size from the county level to a multi-county and watershed level. Funding for the "Pulling Together Initiative" is provided by the Bureau of Land Management, U.S. Fish and Wildlife Service and the USDA Forest Service and must be matched by non-federal contributions on a 1:1 basis, at least. The deadline for pre-proposals is May 17. For more information on this opportunity, and to submit a pre-proposal, visit the [NFWF website](#).

### **HUD Choice Neighborhoods Program – Notice of Funding Availability – May 28**

HUD has announced the availability of planning grants to support the development of comprehensive neighborhood revitalization plans. Eligible applicants are public housing authorities, local governments, nonprofits, tribal entities, and for-profit developers that apply jointly with a public entity. Applicants must visualize the revitalization of a severely distressed public and/or HUD-assisted multifamily housing project located in a distressed neighborhood, and propose a viable, mixed-income community. The maximum individual grant is \$500,000. Application Deadline: May 28, 2013. <http://portal.hud.gov/hudportal/documents/huddoc?id=fy13cnplangrantsnofa.pdf>

### **Greenways, Trails and Recreation Program (GTRP) – Jul 31**

Download the guidelines for a complete understanding of the program and the requirements. Act 13 of 2012 establishes the Marcellus Legacy Fund and allocates funds to the Commonwealth Financing Authority (the "Authority") for planning, acquisition, development,

rehabilitation and repair of greenways, recreational trails, open space, parks and beautification projects using the Greenways, Trails and Recreation Program (GTRP). The application deadline for the program is July 31, 2013 for consideration at the November 13, 2013 CFA Board meeting. Guidelines [GreenwaysTrailsRecreation\\_Guidelines-2013.pdf](#). Projects which involve development, rehabilitation and improvements to public parks, recreation areas, greenways, trails and river conservation. Grants shall be awarded to eligible applicants for projects that do not exceed \$250,000. Most projects require a 50% local match of the total project cost. Applications from municipalities with a population of fewer than 5,000 require a 20% match of the total project cost. Match may be cash or non-cash and must be directly related to the approved scope of work. Eligibility – Municipalities, Councils of Governments, Authorized Organization, Institution of Higher Education, Watershed Organization, and For-Profit Businesses. How to Apply [Single Application for Assistance](#)

### **Rivers, Trails, and Conservation Assistance Program – Aug 1**

Do you have an idea for a local conservation and outdoor recreation project, but need assistance to move that vision into reality? Then, let's talk! Applications for assistance are **due by August 1** annually. Assistance is provided for one year, beginning on October 1st, and may be renewed for a second year upon request. Project selection is announced in early November. Steps for Applicants: **1. Consult with community partners** to build a broad base of support for your project idea. **2. Review the NPS application** [Adobe [.pdf](#) | Microsoft Word [.doc](#)].

**3. Contact National Park Service staff** for a pre-application consultation to discuss your proposed project. We welcome your interest in learning about NPS community assistance anytime throughout the year. **4.** If after the pre-application consultation you decide to submit an application, please **inform National Park Service staff of your intent to apply by July 1**. **5. Send completed application package** to staff you spoke with for your pre-application consultation by email or U.S. mail (emailed or postmarked by August 1). This package should include:

- Completed application
- Site location map
- At least 3 letters of support endorsing the project
- Supplementary information that can help us learn more about your project (background documents, examples of media coverage, additional support letters and maps, etc.)

Project Selection Criteria – Applications are evaluated according to the following criteria:

1. The project has specific goals and results for conservation and recreation expected in the near future.
2. Roles and contributions of project partners are substantive and well-defined.
3. There is evidence of broad community support for the project.
4. The anticipated role for the is clear and fits the [National Park Service mission](#).
5. The project advances one or more key National Park Service objectives [as described in the application](#).

### **Patagonia Fund**

Patagonia funds only environmental work. We are most interested in making grants to organizations that identify and work on the root causes of problems and that approach issues with a commitment to long-term change. Because we believe that the most direct path to real change is through building grassroots momentum, our funding focuses on organizations that create a strong base of citizen support. We support small, grassroots, activist organizations with provocative direct-action agendas, working on multi-pronged campaigns to preserve and protect our environment. We help local groups working to protect local habitat, and think the individual battles to protect a specific stand of forest, stretch of river or indigenous wild species are the most effective in raising more complicated issues – particularly those of biodiversity and ecosystem protection – in the public mind. We look for innovative groups that produce measurable results, and we like to support efforts that force the government to abide by its own – our own – laws. Your efforts should be quantifiable, with specific goals, objectives and action plans, and should include measures for evaluating success. Because we're a privately held company, we have the freedom to fund groups off the beaten track, and that's where we believe our small grants are most effective. We support the use of creative methods to engage communities to take action, including film, photography and books. However, media projects will only be successful in our proposal process if they are tightly linked to a direct-action campaign on the issue, with specific goals that go beyond education and awareness. One priority area for Patagonia grants is protecting and restoring native fish populations and the habitat on which they depend. Our World Trout Initiative addresses this. [Click here for more information and to apply](#). We accept one proposal per group, per year. Typical Grant Range: \$3,000 - \$12,000. Proposal Deadlines: If your work is located near one of our retail stores, your proposal will be reviewed by store employees. Our stores accept proposals on a rolling basis, throughout the year. If your work is not located near one of our retail stores, your proposal will be reviewed by an employee Grants Council at our company headquarters. There are two annual deadlines for this process:

- April 30 (all applications received in April will receive a response by the end of August)
- August 31 (all applications received in August will receive a response by the end of January)

To find out if your work fits within our guidelines, take the eligibility quiz. If you qualify, you may proceed to the grant application form. Thanks for your interest in Patagonia's Environmental Grants Program.

### **Conservation Easement Assistance Program (CEAP) Grants**

The Conservation Easement Assistance Program provides reimbursement grants to qualified organizations to help with: Completing conservation as well as trail and fishing access easements - Up to \$6,000 per project (\$2,000 if not based on PALTA model); Amending and restating older easements - Up to \$6,000 per project (\$2,000 if not based on PALTA model); Establishing or updating baseline documentation - Up to \$2,500 per project; Installing signs on eased properties - Up to \$700 per easement (sign projects can also be bundled to not exceed \$6000). Please carefully review the program description and guidelines before seeking a grant or making inquiries.

- [CEAP Guidelines \(PDF\)](#)
- [See what the reservation form looks like. \(View only – do not use!\)](#)
- [See what the grant application form looks like. \(View only – do not use!\)](#)

To apply for a grant, go to the Apply for Funding or Update Application section below.

- [Confirmed Reservations List](#) to see projects with secured funding contingent on grant application approval.
- [Grant Award List](#) to see projects that have been awarded funding.
- [Wait List](#)

Funding reservation and grant application options are only visible and available to logged-in users who are their organization's assigned manager.

- [Qualify an organization](#) for the program
- [Assign or change person to manage an organization's applications to the program](#)

### **TKF Foundation Grants - Open Spaces Sacred Places: The Healing Power of Nature**

The TKF Foundation announces the final phase of the Open Spaces Sacred Places (OSSP) National Awards Program. The program was enacted in 2 phases, a Planning Grant Phase, now closed, and an open call for proposals. Final Awards will fund development of significant new sacred public green spaces in urban settings that demonstrate a combination of high quality design-build and rigorous research about user impacts. The total remaining funding pool is \$4 million. Funding will be provided to cross-disciplinary teams that are able to 1) conceptualize, plan, design and implement an open and sacred green space, 2) conduct associated research study(ies), and 3) communicate scientific findings. TKF seeks to identify projects replicable in their intent. Projects should also be generalizable in the challenges they address to serve as potential archetypes for urban areas across the U.S. For more information, go to <http://www.openspacesacredplaces.org/>

### **National Science Foundation – Environmental Sustainability Funding**

NSF's Environmental Sustainability program supports research that would affect more than one chemical or manufacturing process or that takes a systems or holistic approach to green engineering for infrastructure or green buildings. This program will also support improvements in distribution and collection systems that will advance smart growth strategies and ameliorate effects of growth. Innovations in prevention and management of storm water, recycling and reuse of drinking water, and other green engineering techniques to support sustainable construction projects can also qualify. Application Deadline: February 20, 2014.

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501027](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027)

### **EPA Releases Final Section 319 Nonpoint Source Program and Grant Guidelines for Water Pollution Control**

EPA has released final nonpoint source program and grants guidelines for states and territories for the Clean Water Act section 319 grant program. The section 319 program provides funding to states, territories and tribes to mitigate nonpoint source or diffuse sources of pollution. These guidelines are applicable for Fiscal Year 2014 grant awards and subsequent section 319 grant awards, and replace guidelines that have been in effect since 2004. The final guidelines provide updated program direction, an increased emphasis on watershed project implementation to restore impaired waters, increased accountability measures and appropriate flexibility for state programs, while emphasizing the importance of states updating their nonpoint source management programs to ensure that section 319 funds are targeted to the highest priority activities. After extensive state/EPA work, stakeholder outreach and public comment, the guidelines have now become available at <http://www.epa.gov/nps/319>.



## **WATERSHED TECHNICAL ASSISTANCE**

### **Federal agencies outline progress toward Chesapeake Bay cleanup**

The federal agencies leading the watershed-wide effort to restore the Chesapeake Bay have released a [progress report](#) highlighting the work that was completed last year. Federal agencies and state and local partners have added 20 new monitoring stations to the Bay and its tributaries, expanding their ability to track changes in water quality and pollution. They have established conservation practices across Bay farms and forests, installing streamside fencing to keep livestock out of waterways and planting cover crops to reduce the need for nutrient-laden fertilizers. And they have planted close to 100 acres of oyster reefs [in a Maryland tributary](#) and opened more than 30 miles of Virginia and Pennsylvania streams to eels, shad and other diadromous fish, restoring habitat for some of the watershed's most critical critters. But much remains to be done, and the Federal Leadership Committee for the Chesapeake Bay has outlined future work in a 2013 [action plan](#). "EPA and our other federal partners are pleased to report the tangible progress we've made over the past year, which will inform, guide and accelerate our collective actions going forward," said EPA's Nick DiPasquale, Chesapeake Bay Program Director. "The federal agencies and our partner jurisdictions are accountable to the citizens living near the local rivers and streams that also stand to benefit from this critical restoration work. Through our commitments, the prospects for increased momentum and improvements to the Bay's health should be encouraging to everyone. Learn more about the [2012 progress report](#) and [2013 action plan](#) on the [Chesapeake Bay Executive Order website](#).

### **USDA develops phosphorus management tool**

*Environmental Leader* – A tool developed by USDA scientists can help agribusiness model phosphorus loss in runoff and determine ways to reduce these losses. To reduce state-by-state discrepancies, scientists developed the Annual Phosphorus Loss Estimator (APLE), a spreadsheet program that predicts field-scale phosphorus loss in runoff for a whole year. The program can also be used in many different states to quantify field-scale phosphorus loss and soil phosphorus changes over 10 years for a given set of runoff, erosion and management conditions. Read more... <http://www.environmentalleader.com/2013/04/22/usda-develops-phosphorus-management-tool/>

### **USGS: High Arsenic Levels Found In 8% Of Groundwater Wells Studied In PA**

Eight percent of more than 5,000 wells tested across Pennsylvania contain groundwater with levels of arsenic at or above federal standards set for public drinking water, while an additional 12 percent – though not exceeding standards – show elevated levels of arsenic. These [findings, along with maps](#) depicting areas in the state most likely to have elevated levels of arsenic in groundwater, are part of a recently released U.S. Geological Survey study done in cooperation with the Pennsylvania Departments of Health and Environmental Protection. The results highlight the importance of private well owners testing and potentially treating their water. While public water supplies are treated to ensure that water reaching the tap of households meets federal drinking water standards, private wells are unregulated in Pennsylvania, and owners are responsible for testing and treating their own water. For this study, USGS scientists compiled data collected between 1969 and 2007 from industrial, public, and private wells. Arsenic levels, along with other groundwater quality and environmental factors, were used to

generate statewide and regional maps that predict the probability of elevated arsenic. The study examined groundwater from carbonate, crystalline, and shale/sandstone bedrock aquifers, and from shallow glacial sediment aquifers. Similar maps have been produced for other states.

**House Environmental Committee Held Hearing On Water Well Standards Bill**

The House Environmental Resources and Energy Committee held a hearing on [House Bill 343](#) (Miller-R-York) setting standards for drinking water wells on Wednesday. The bill authorizes the Environmental Quality Board to establish water well construction standards through the adoption of rules and regulations of the DEP that are generally consistent with the National Groundwater Association construction standards. Specifically, the legislation would establish construction standards, including the decommissioning of abandoned wells, to be followed by water well drillers and owners. Nothing in this legislation requires the metering of homeowner wells. A [summary of the bill](#) is available online. Rep. Ron Miller (R-York) serves as Majority Chair of the Committee and Rep. Greg Vitali (D-Delaware) serves as Minority Chair

**EPA Releases Draft FY 2014 National Water Program Guidance for Public Comment**

EPA has released the draft national water program guidance for Fiscal Year 2014. The guidance describes how EPA, states, territories, and tribal governments will work together to protect and improve the quality of the Nation's waters, and focuses on five priorities: protecting populations at risk; improving the integrity of the nation's drinking water and clean water quality; providing safe and sustainable water resources and infrastructure; controlling nutrient pollution; and assuring high quality and accessible water information. Accompanying these priorities are strategies that describe key actions needed to accomplish the public health and environmental goals of Protecting America's Waters as part of EPA's Strategic Plan. The draft guidance is available at [http://water.epa.gov/resource\\_performance/planning/FY-2014-National-Water-Program-Guidance.cfm](http://water.epa.gov/resource_performance/planning/FY-2014-National-Water-Program-Guidance.cfm) for public comment until May 9, 2013. Please send comments to Vinh Nguyen at [nguyen.vinh@epa.gov](mailto:nguyen.vinh@epa.gov) and Ian Achimore at [achimore.ian@epa.gov](mailto:achimore.ian@epa.gov) by May 9, 2013.

**Designing Suburban Futures: New Models from Build a Better Burb**

Suburbs deserve a better, more resilient future, according to this new book. Author June Williamson shows that suburbs aren't destined to remain filled with strip malls and excess parking lots; they can be reinvigorated through inventive design. Drawing on award-winning design ideas for revitalizing Long Island, this book offers valuable models not only for U.S. suburbs, but also for those emerging elsewhere with global urbanization. <http://islandpress.org/ip/books/book/islandpress/D/bo8654639.html#.UV0EIBNU1Xs.gmail>

**Building Urban Resilience: Principles, Tools and Practice**

In its new publication, the World Bank presents planners and practitioners with an intuitive way to build elements of resilience into urban governance and planning. The report guides readers in finding ways to avoid the mistakes of the past and build resilience into urban development through critical investments and integrated disaster-risk-management measures.

<http://reliefweb.int/report/world/building-urban-resilience-principles-tools-and-practice>

**Green Infrastructure: A Landscape Approach**

This American Planning Association report shows how green infrastructure cleans the air and water, replenishes aquifers, reduces flooding, and moderates the climate. Green infrastructure can also promote healthy exercise and access to more locally grown food, boost the economy as it attracts business, raise property values, and lower energy and healthcare costs.

<http://www.planning.org/apastore/search/Default.aspx?p=4203>

**EPA Proposes to Reduce Toxic Pollutants Discharged into Waterways by Power Plants**

EPA proposed a range of options to help reduce pollutants, including mercury, arsenic, lead, and selenium that are released into U.S. waterways by coal ash, air pollution control waste and other waste from steam electric power plants. The proposal includes a variety of options for whether and how these different waste streams should be treated. Steam electric power plants currently account for more than half of all toxic pollutants discharged into streams, rivers and lakes from permitted industrial facilities in the United States. EPA will take comment, to help inform the most appropriate final standard, for 60 days after publication in the Federal Register. More information:

<http://water.epa.gov/scitech/wastetech/guide/steam-electric/index.cfm>

**Proposals Currently Open for Comment**

Date Published In PA Bulletin	Proposal	Comment Deadline
4/6/2013	Modification of residual waste general permit WMGR081 <a href="#">PA Bulletin Notice</a> ; <a href="#">Proposed General Permit</a>	6/5/2013
4/27/2013	Sewage Facilities Planning Module Review for Onlot Sewage Systems Proposed in High Quality and Exceptional Value Watersheds. (DEP ID: 385-2208-001) <a href="#">PA Bulletin Notice</a>	6/3/2013
5/4/2013	Air Quality Operating Permit - Protocol. (DEP ID: 275-2101-001) <a href="#">PA Bulletin Notice</a> <a href="#">Draft Technical Guidance</a>	6/3/2013