

WAY E-NEWS

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



June 21, 2010

A PUBLIC-PRIVATE PARTNERSHIP

Volume 10, Issue 13

"We cannot grow forever. We are paying that price in many ways now. In the long run, such growth is completely unsustainable. We need to think about not just smart growth, but smart re-growth." –Jose Alminana, Andropogon Associates

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WATERSHED CONTACTS

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

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

24-HR EMERGENCIES – (877) 333-1904

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

ENVIRONMENTAL – DEP-SCRO

- General Info 717-705-4700
- Director SCRO 717-705-4704
- 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 – (877) 772-3673

- Illegal dumping on state forest and park lands

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 3/18/2010

- Dead planet, living planet: Biodiversity and ecosystem restoration for sustainable development
- Strategies for Sediment – Getting ready for the new effluent limitation guidelines
- Filtered Hope – Structural best management practices
- Clean Streets – Cities rely on street sweepers and vacuum trucks
- Creating Green Spaces in 'All-Built-Out' Cities (and Boroughs)
- Urban streams with green walls
- EPA MS4 Permit Improvement Guide
- EPA Releases Implementation Guidance on CAFO Regulations



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 Improvement Partnership – www.codoruscreek.com

<> Contact: Michael Helfrich, Codorus Creek Improvement Partnership, at 324 W. Market St., York PA 17401. Ph: 717-718-5431. E-mail: info@codoruscreek.com

Codorus Creek Watershed Association – www.codoruscreek.net

- July 12 – 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.conewagocanoecub.org

- July 8 – 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/>

- NEW! Check out our new website

<> 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@juno.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

<> 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– 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

- Jul 10 – NATIVE PLANT EXPERIENCE 9:00 a.m. to 5:00 p.m. Don't miss this opportunity to visit native landscapes and talk to homeowners about native landscaping.

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

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

<> 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

- Tour de Farms Bike Event - Saturday, June 12, 2010 - 8:45 a.m.
- Summer Night Hike & Campfire - Friday, June 25th 8:00 - 9:30 p.m.

<> 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!
 - 7/25 - Kayak/Canoe the Susquehanna
- <> Kim Anderson at sgfornyc@aol.com.

Spoutwood Farm CSA – 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/>

<> 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

- Jun 13-19 – West Branch Susquehanna Sojourn
- <> 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

- Jul 14 – 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/>

- Jun 21 – 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/>

- The Watershed Alliance of Adams County holds its board meeting monthly. Board meeting dates have changed to the fourth Tuesday of the month. All board meetings are held at the Adams County Agricultural and Natural Resources Center at 4:30pm unless otherwise specified. The public is invited to attend.

<> Contact: Michelle Kirk 717-677-4628 or email at: mkirk@adamswatersheds.org

Watershed Alliance of York – www.watershedsyork.org

- MEETINGS – Jul 7 – Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.
- COMMUNITY CLEANUPS – WAY to help coordinate and finance your community's illegal dump cleanup.
- COMMUNITY EVENTS – Got a community event planned for 2010 that you would like WAY to exhibit its display? Contact us.
- SPEAKERS BUREAU – Need a speaker for your event? Contact WAY's speakers bureau composed of local experts in watershed-based planning, restoration and planning.

- 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.
 - 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

- Sep 8 – YBWA Board Meeting
 - Oct – TBA - Annual Membership Meeting
 - Dec 8 – YBWA Board Meeting
- <> Contact: John Eby, President, at john_eby@lower-allen.pa.us

York-Adams Regional Smart Growth Coalition – www.yorkadamssmartgrowth.org

- Jun 23 – Board Meeting at RAYAC, York
- <> 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/>

- <> Contact Tom Smith at 717-246-9767 or tjs35@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
 - 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

Environmental Protection Agency Settles Chesapeake Bay Litigation and Issues New Restoration Strategy

On May 11, 2010, the Environmental Protection Agency (EPA) reached a settlement with the Chesapeake Bay Foundation and other environmental groups concerning the restoration of the Chesapeake Bay. *Fowler v. EPA*, No. 1:09 - cv - 00005 (D.D.C. filed Jan. 5, 2009). The plaintiffs claimed that EPA failed to implement sufficient measures to achieve the goal of reducing pollution levels in the Chesapeake Bay. The binding settlement requires EPA to take specific actions to ensure pollution within the bay is reduced. EPA will require each of the six watershed states to submit Water Implementation Plans, describing in detail a strategy to meet the TMDL and reduce pollution from both point and nonpoint sources. The strategy's main priorities are to restore clean water, recover habitats, sustain fish and wildlife, conserve land, and increase public access. To meet these goals, the strategy emphasizes accelerating the pace of restoration, increasing federal agency accountability, aggressively targeting areas with the most pollution and runoff potential, and launching new environmental initiatives. For more information, visit the EPA Chesapeake Bay Program Office Web site at <http://www.epa.gov/Region3/chesapeake/>.

EPA Reaffirms December 2010 Deadline for Bay TMDL

(PHILADELPHIA – June 18, 2010) As part of the process for restoring the Chesapeake Bay Watershed, EPA has reaffirmed the federal-state commitment to establish the Bay Total Maximum Daily Load (TMDL) - or pollution diet - by the end of this year. The Bay TMDL will set limits on nitrogen, phosphorus and sediment throughout the 64,000-square-mile watershed. Backed by a strong accountability framework, the Bay TMDL includes state action plans, a series of two-year commitments, close monitoring and, if necessary, federal accountability measures to spur progress. On June 11, EPA Regional Administrator Shawn M. Garvin reaffirmed to the six watershed states, the District of Columbia and others, the schedule ahead. EPA has adjusted the schedule based on conversations with the States and DC. EPA is also providing additional financial and technical assistance, and offering detailed guidance to help jurisdictions develop strong implementation plans and accelerate on-the-ground action. While in the process of refining the computer simulation models, EPA has adjusted the process to allow the jurisdictions to meet the end-of-year deadline and have all control measures in place to restore the Bay and its tidal waters by 2025, with 60 percent of the work completed by 2017. By July 1, EPA will allocate the pollution limits for nitrogen and phosphorus among the six watershed states and the District of Columbia, allowing for potential load changes from model updates. By August 15, EPA will assign allocations for sediment. The new schedule eliminates a previous requirement for jurisdictions to submit preliminary draft Watershed Implementation Plans by early June. The states and the District will now complete their draft Phase I Watershed Implementation Plans - outlining how they will meet the pollution limits - by September 1. EPA will issue a draft TMDL for a 45-day public comment period on September 24. The final Phase 1 implementation plans are due November 29, and EPA will establish the Bay TMDL by December 31. In 2011, EPA will revise its modeling, utilizing the results of updates on nutrient management effectiveness and suburban land characteristics. The states and the District will then submit draft Phase II Watershed Implementation Plans, allocating the pollutant loads to a much finer geographic scale, and reflecting any potential revised load

distributions and other updates resulting from the revised model. Before 2017, EPA will review its models and determine if further upgrades are needed. In 2017 the states and the District will submit Phase III implementation plans to ensure that all the control measures needed to meet Bay water quality standards will be in place by 2025.

Funding for bay cleanup is needed

Carroll County Times (6/14/2010) – Funding for new initiatives designed to reduce pollution in the Chesapeake Bay is going to be difficult to find, but increasing regulations without providing the money to pay for them will be devastating for communities already struggling to find money in their budgets. The federal Environmental Protection Agency, in order to settle a lawsuit brought by the Chesapeake Bay Foundation, watermen and others, is coming up with new regulations concerning limiting the amount of pollution that goes into the Bay. Ten years ago, the EPA and states in the Chesapeake Bay watershed announced an ambitious plan to clean up the Bay and reduce pollution by 2010. The goals of that plan were not reached. Progress, however, has been made through legislative actions, such as requiring farmers to have nutrient management plans and government programs which provided money to help pay for implementing the new regulations. Still, with the ever-growing population, while the health of the Bay has not declined, it has not seen the improvement that is needed. Sen. Ben Cardin is sponsoring a bill in Washington that would provide about \$2 billion to help implement the new EPA guidelines. But in an environment where people are clamoring for less government spending, and a national debt that has climbed considerably in recent years, getting that funding without providing a revenue source is going to be difficult. There's only so much that individual landowners, municipalities and even states can do when it comes to paying for new programs. Each face their own tight budgets. The impact of pollutants on the Bay is well-documented, and the need to increase efforts to protect it so it is around for future generations to enjoy is obvious. But the EPA and federal government need to be realistic. Any new regulations have to come with funding to help pay for them. There's plenty of wasteful spending in our government, especially in the fact that lawmakers continue to fund dubious pet projects that send federal dollars to their districts. Eliminating federal pork spending would provide more revenue to spend on real problems, and hopefully the EPA and federal government will recognize that states, and communities, cannot shoulder this cost alone.

EPA leans on Amish farmers in Pennsylvania

Baltimore Sun - Online (6/09/2010) – Maryland farmers aren't the only ones getting closer scrutiny from the feds these days. It turns out that inspectors from the Environmental Protection Agency have been paying calls on Amish farmers in Lancaster County, PA to impress on them the need to keep manure from their livestock out of the rivers and streams that feed into the Chesapeake Bay. Lancaster is farming country, and is a leading source of runoff of the nitrogen and phosphorus that produce dead zones in the bay every summer. As The New York Times reports, EPA checked 24 farms in Lancaster last September, 23 of them run by members of the Plain Sect who shun modern technology and can be frequently seen traveling the roads there in horse-drawn buggies. Seventeen of the farms checked were not handling their manure properly, EPA inspectors found, contaminating their own wells in many cases as well as polluting nearby streams. Farmers were advised to take steps to handle their manure better, and offered help applying for government grants to pay for storage pits and other practices designed to curb runoff. It's a jarring change for the Amish, who normally want nothing to do with government. But as the story noted, Amish farmers control more than half the farms in Lancaster, so it would be impossible to clean up without them. More than 500 farms in Maryland applied last year for discharge permits after EPA officials advised that runoff from around their chicken houses and other livestock operations could subject them to enforcement action. Some farmers in Pennsylvania and Virginia are getting less-gentle reminders from EPA. The agency announced recently that it had cited an egg-laying farm in Pennsylvania and two farms in that state for allowing nutrients from their animals' manure to wash into nearby streams, which ultimately feed into the Chesapeake. The Pennsylvania egg-laying farm, with 36,000 hens, also had 80 cows, EPA said, and both operations were discharging to Chickies Creek, a tributary of the Susquehanna River. In Virginia, federal inspectors found large piles of uncovered poultry manure at a Linville farm with 100,000 chickens, and evidence that nutrients from the piles were getting into a stream that feeds into the Shenandoah River, a tributary of the Potomac River. Inspectors found similar runoff problems at another farm in Timberville with more than 500 cows and nearly 23,000 turkeys. Both were ordered to stop the discharges, get federal permits for their operations and submit compliance plans for curtailing their pollution.

Adams County Farmer Uses Conservation Practices To Benefit Environment, Bottom Line

Chesapeake Bay Foundation – Two Adams County farms are benefitting from federal stimulus funds made available through the Pennsylvania Infrastructure Investment Authority, helping the farmers install conservation measures that will aid their farms' sustainability and profitability, while improving the water quality in the area. The Inch farm is one of 44 farms statewide receiving support to install conservation practices through a \$14.2 million PennVEST grant to Chesapeake Bay Foundation. The money is an investment in farms in the Pennsylvania portion of the Chesapeake Bay watershed that will pay off not only in terms of jobs created or retained, but in conservation that supports a better quality of life for area residents. CBF estimates the farm practices will avoid more than 838,000 pounds of nitrogen pollution, 286,000 pounds of phosphorus pollution, and 678 tons of sediment pollution. The Partners include the Inch family, Adams County Conservation District, PennVEST, and the Department of Environmental Protection. Working with the Adams County Conservation District, Mr. Inch is installing some major improvements including replacing the outdated and potentially leaky wooden manure storage structure, originally built in 1981. The new concrete and steel structure will allow him to safely store the herd's manure until it can be appropriately applied. The barnyard area, currently bare soil, will be upgraded to a concrete pad to prevent soil and manure run off. A third conservation effort is the installation of over 3,000 feet of forested buffer along a stream running through the property. In time, this streamside forest will filter out pollutants, and increase the naturally functioning stream filtering processes. The majority of the funding provided for this project is from the American Recovery and Reinvestment Act, more commonly known as federal stimulus funds. The forested buffers are funded through the USDA's Conservation Reserve Enhancement Program. The Inch family has also dedicated their own funds to the improvements. With years of experience partnering to aid farmers, CBF and the Adams County Conservation District are playing key roles in implementing the program. Back on the farm, Terry and his wife Jody have the satisfaction of knowing that they are doing their part to leave a legacy of stewardship for their children and many others.

Under tidal bays, grasses spreading out

Daily Times - Online (6/10/2010) – The SNOW HILL Seagrasses are spreading out in the coastal bays, creating improved habitats for young fish and crabs and signaling a slight improvement in the health of the water body. A study by the Maryland Department of Natural Resources shows there are 13,628 acres of seagrasses in the bays – a 25 percent increase between 2008 and 2009, but still under the state goal of

20,070 acres. Of the new growth, 2,165 acres came in the Chincoteague Bay, or about 80 percent of the total increase. An additional 300 acres took root in the Assawoman Bay taking the total there to 871 acres. Seagrasses serve as important habitat for young fish and shellfish – including sea bass and blue crabs – and are generally an indicator for good water quality, Wilson said. They tend to grow in sandy soils, which are more prevalent in the Sinepuxent and Chincoteague bays than in the water north of there. The figures mark a considerable improvement since 2005, when the vegetation in the Chincoteague Bay fell from about 12,000 to 6,000 acres. Water temperature can wreak havoc on the eel grass. Delmarva represents the southern end of the plant's range, making it sensitive to high heat. If the water is getting warmer, the grass may not find the peninsula so hospitable. Now the Chincoteague Bay is back up to 10,158 acres, considerably higher than in 2005, but far short of the 16,349 acres observed in 2001.

Algae making some parts of bay more acidic

Allegheny Times (6/10/2010) – A new study finds pollution-fed algae could be making some parts of the Chesapeake Bay more acidic, posing another threat to the bay's struggling oyster population. Researchers say nitrogen and phosphorus that wash into the bay from lawns, sewage plants, farms, auto exhaust and other sources spurs the growth of algae, which consume carbon dioxide while growing. That lowers acidity where algae grow in the upper bay, but currents then carry algae toward the ocean. The algae is eaten along the way by other creatures that release the carbon dioxide, raising acidity. Higher acidity can lower shell formation by young oysters. The study published in the journal *Estuaries and Coasts* was conducted at the University of Maryland Center for Environmental Science in Cambridge.

IRRC Votes to Protecting PA's Stream, Rivers from Wastewater and Enhance Erosion and Sediment Control, Stormwater Regulations

HARRISBURG – Governor Edward G. Rendell praised two votes by members of the Independent Regulatory Review Commission that he said will protect Pennsylvania's streams and drinking water supplies against total dissolved solids pollution from Marcellus Shale drilling wells and other sources from stormwater runoff. The new total dissolved solids, or TDS, rules the commission approved today will ensure that rivers and streams in Pennsylvania do not exceed the safe drinking water standard of 500 milligrams per liter, the Governor said. The rules also will protect businesses by grandfathering all existing discharges and allowing businesses to use a stream's ability to absorb those discharges while not exceeding drinking water standards. The panel also approved new regulations to enhance existing rules governing erosion, sediment control and stormwater to protect streams from the effects of new development, reduce localized flooding during heavy storms, and cut sediment and nutrient pollution. The new rules, which also include an updated permit fee structure, bring Pennsylvania into compliance with federal requirements for erosion and sedimentation controls and post-construction stormwater runoff; creating mandatory requirements for establishing and protecting existing streamside and riverside buffers in high quality and exceptional value watersheds; and enhancing agricultural stormwater management provisions beyond plowing and tilling to include animal-heavy use areas. For more information, visit www.depweb.state.pa.us.

McDaniel Appointed To EPA Agricultural Advisory Committee

Last week the U.S. Environmental Protection Agency (EPA) announced the appointment of new members of the Farm, Ranch and Rural Communities Advisory Committee (FRRCC), and NACD Executive Board Member Lee McDaniel (Deer Creek Watershed Association) from Maryland is among those members. The FRRCC is an independent committee that advises EPA on a wide range of environmental issues of importance to agriculture and rural communities. Committee members will provide useful insight to the agency on topics such as non-point source water pollution, agricultural air issues and environmental markets as it crafts environmental policies. [Click here](#) to read NACD's release on McDaniel's appointment. Congratulations, Lee!

DEP Fines DOLI Construction Corp. for Water Quality Violations on York County Project

HARRISBURG – The Department of Environmental Protection announced today that it has fined DOLI Construction Corp. \$23,886 for failing to prevent erosion and sedimentation pollution to Furnace Creek while building the West Manheim Township sanitary sewer project in York County. The York County Conservation District documented seven pollution events during site inspections between January 2009 and February 2010. The pollution events resulted from failing to install erosion and sedimentation control devices properly, digging open trenches from manholes to the stream, and failing to install stream and wetland crossings in accordance with the approved permit. The stream and wetland encroachment violations have been corrected. For more information, call 717-705-4700 or visit www.depweb.state.pa.us, keyword: Water Quality.

CLC's 2010 Conservation Landscaping Contest is Now Open! – Sep 1

Chesapeake Conservation Landscaping Council is pleased to sponsor the 2010 Conservation Landscaping Contest. Healthy, beautiful landscapes in the Chesapeake Bay region demonstrate elements of conservation landscaping, and we hope to see many of them documented on contest applications this summer. Applications, complete contest rules and further information are available on the CCLC website <http://www.chesapeakelandscape.org/>. Deadline is Sept. 1 for applications. Winners announced Nov. 1.

Three Newest Conservation Tools for Landowners

PA Land Trust – We are pleased to continue to expand our collection of tools and library resources. Recently we added:

- Reducing Pennsylvania Inheritance Tax
- Reducing Federal Estate Tax
- Donation by Will

Visit ConservationTools.org and explore the wealth of information available at the site featuring in-depth guidance on dozens of conservation topics, hundreds of library items, expert database, events calendar and more.

The 17th Annual Secchi Dip-In – Jun 26–Jul 19

This is an invitation to participate in this year's Secchi Dip-In, which runs from June 26 to July 19. This is the 17th year of the Dip-In, the three week event in June and July that continues to demonstrate that volunteers can collect quality data for an international research program. The Dip-In is a network of volunteer programs and volunteers that, working together, can gather and provide continent-wide (and world-wide) information on water quality. North American volunteers have now submitted 5 or more years of data on over 1,900 waterbodies. Five years or more of submissions is critical because it takes at least that long in order to make reliable statements about trends. As a coordinator of a

program, you have access to all sites in your program on the database so that you can edit any and all of your program's data if you wish. You can even use the database as a data repository for all your volunteer data. Contact me directly if you would like coordinator status. Your volunteers' participation in the Dip-In is easy, since we require no more sampling than what they normally do when they sample for your program. We also encourage the involvement of volunteers that sample rivers and streams, estuaries, and marine environments. It isn't just lakes that are changing and need monitoring. For more details, contact Bob Carlson, 2010 Secchi Dip-In, 1091 Munroe Falls Road, Kent, OH 44242. Phone 330.673.9459. E-mail: rcarlson@kent.edu.

Instant Information about Water Conditions: Ask the River to Text You a WaterAlert

Now you can receive instant, customized updates about water conditions by subscribing to [WaterAlert](#), a new service from the U.S. Geological Survey. Whether you are watching for floods, interested in recreational activities or concerned about the quality of water in your well, [WaterAlert](#) allows you to receive daily or hourly updates about current conditions in rivers, lakes and groundwater when they match conditions of concern to you. The USGS operates an extensive, real-time water information network, involving 9,081 continuous and partial record [streamgages](#), as well as 369 lake, 1,278 well and 3,632 precipitation gages throughout the United States. [USGS Water Science Centers](#) in each state can provide more detailed information on water conditions and USGS response to local events. Sign up at <http://water.usgs.gov/wateralert>.

Vermont: Elm Trees Planted In Hopes Of Restoration

Three sites in Vermont are part of a project to restore the iconic elm tree to the eastern United States. The U.S. Forest Service has spent decades searching for wild American elms that are resistant to Dutch elm disease, which killed an estimated 100 million American elm trees in the mid 20th century. Trees that were propagated in a nursery in Ohio will be planted in Cornwall on Tuesday, Maidstone on Wednesday and Shelburne on Thursday in the first attempt at restoring American elms into natural areas east of the Appalachians. If successful in Vermont, more plantings will be done at sites across the eastern United States. Read more...http://www.vpr.net/news_detail/88214/



WATERSHED FINANCIAL ASSISTANCE

DCNR Wild Resource Conservation Program – Protecting Non-Game Species

The Pennsylvania Department of Conservation and Natural Resources (PA DCNR) is providing grants to protect Pennsylvania's non-game animals, native plants and their habitats. Projects should be focused on identifying species and natural communities at risk from climate change, species inventory and monitoring, sustainable energy extraction and transport, and/or critical conservation needs. Applications must be submitted through DCNR's eGrants online grant application system. Applications are due June 30, 2010. <http://www.dcnr.state.pa.us/wrcp/2010grants/index.aspx>

1675 Foundation

This foundation offers support to organizations for arts/culture, education, the environment, health, human services and history. Priority is given to Philadelphia and Chester Counties. Grants ranging from \$2,000 to \$50,000 are available to organizations that are tax exempt under IRS Code 501(c)(3) or public charities under IRS Code 509(a). Applications are due March 1 and October 1 of each year. <http://www.1675foundation.org/guidelines.htm>

Bridgestone Americas Trust Fund

This Trust provides charities with funding to support education, the environment/conservation, or children's programs. <http://www.bridgestone-firestone.com/trustfund.asp>

PennVEST Loans – Pennsylvania Infrastructure Investment Authority

Loans are provided for drinking water, wastewater and stormwater loans, on-lot sewage disposal funds, and Brownfield redevelopment. <http://www.pennvest.state.pa.us/pennvest/cwp/browse.asp?A=4>

USDA Rural Development Water and Waste Disposal (WWD) Loan and Grant Program for Rural Areas

This program provides loans, grants, loan guarantees and technical assistance for water, sanitary, waste and storm drainage facilities in rural areas and towns of 10,000 or less. Assistance is provided to public entities, non-profit organizations and federally recognized Indian tribes. Applications are accepted continually. <http://www.usda.gov/rus/water/program.htm>

USDA Technical Assistance and Training Grants for Rural Areas

These grants are provided for identifying solutions for water and waste disposal problems, assist in preparing applications for water and waste grants, and improving operations and maintenance of existing facilities. Private non-profit organizations located in rural areas and towns of 10,000 or less are eligible. Applications accepted October 1 through December 31 every year. <http://www.usda.gov/rus/water/tatg.htm>

USDA Solid Waste Management Grant Program for Rural Areas

These grants are provided to public bodies, private non-profit organizations and Native American tribes for reducing/eliminating pollution of water resources and improving planning/management of solid waste sites in rural areas. Applications accepted October 1 through December 31 every year. <http://www.usda.gov/rus/water/SWMG.htm>

PA Resource Enhancement and Protection Program (REAP)

This program provides farmers and business with tax credits in exchange for Best Management Practices (BMPs) on agricultural operations to enhance production and protect natural resources. Applications will be accepted till fiscal year 2009-2010 appropriations are committed to

projects.

[http://www.agriculture.state.pa.us/portal/server.pt/gateway/PTARGS_0_2_24476_10297_0_43/http%3B/10.41.0.36/AgWebsite/ProgramDetail.aspx?name=Resource-Enhancement-and-Protection-\(REAP\)-&navid=12&parentnavid=0&palid=22&](http://www.agriculture.state.pa.us/portal/server.pt/gateway/PTARGS_0_2_24476_10297_0_43/http%3B/10.41.0.36/AgWebsite/ProgramDetail.aspx?name=Resource-Enhancement-and-Protection-(REAP)-&navid=12&parentnavid=0&palid=22&)

Gannett Foundation – Community Action Grants

Funds are granted to provide education/neighborhood improvement, economic development, youth development, community problem-solving, assistance to disadvantaged people, environmental conservation and cultural enrichment. Applications are due February 16 and August 17 of each year. <http://www.gannettfoundation.org/guidelines.htm>

H2O PA Water Infrastructure Projects Bonds

The Commonwealth Financing Authority has issued \$400 million in bonds for projects that impact water, water infrastructure, wastewater systems, and high hazard dam projects. The bonds are designated as "Build America Bonds" under the American Recovery and Reinvestment Act of 2009. They are taxable bonds with an interest rate subsidized by the federal government. Applications are due July 1, 2010. Visit <http://www.newpa.com/find-and-apply-for-funding/commonwealth-financing-authority/index.aspx> and search for H2O PA for more information.

Foundation for Pennsylvania Watershed Grants

Grants are provided to 501(c)3 nonprofit organizations only. The primary area ranges from the Ohio border to the Susquehanna River's mainstem. Letters of inquiry for the spring round of grants are due February 27, 2010. Full proposals are due March 23, 2010. Letters of inquiry for the fall round of grants are due August 27, 2010. Full proposals are due October 1, 2010.

http://www.pennsylvaniawatersheds.org/?page_id=20

USDA's NRCS Grants to Protect Private Forest Land in Pennsylvania

The USDA's Natural Resource Conservation Service (NRCS) is providing grants in Adams, Adams, Armstrong, Beaver, Bedford, Berks, Blair, Cambria, Centre, Huntingdon, Mifflin, Snyder and York Counties to protect Pennsylvania's forest land through the Healthy Forests Reserve Program (HFRP). The HFRP grants will be focused on protecting and improving critical habitat for the Indiana bat (*Myotis sodalists*), a federally listed endangered species. Applications will be accepted on a continuous basis until funding is exhausted.

<http://www.pa.nrcs.usda.gov/programs/HFRP/index.html>



WATERSHED FACILITATION ASSISTANCE

"The New Metropolis" film screening and discussion – Jun 22

Tuesday, June 22, 2010, 7–8:30 p.m. Glatfelter Community Room, Cytec Building, HACC's York Campus, 2161 Pennsylvania Ave, York. YorkCounts and the [York Campus of Harrisburg Area Community College](#) will host a screening of "[The New Metropolis](#)," a two-part documentary about the plight of America's first suburbs. A portion of the film was shown at the 2010 YorkCounts summit, and the work of keynote speaker Lynn Cummings was featured in the film. Both parts of the documentary - "Cracks in the Pavement" and "The New Neighbors" - will be shown, and there will be a Q&A session afterward. The film will start at 7 p.m. in HACC'S Glatfelter Community Room in the Cytec Building, 2161 Pennsylvania Ave., York. Admission is free. The screening is intended to help raise awareness of the Building One Pennsylvania Summit, set for July 16 in Lancaster.

Act 167 Stormwater Management Plan PAC Meeting – Jun 24

The York County Planning Commission staff has prepared an Act 167 Stormwater Management Plan, as part of an Integrated Water Resources Plan (IWRP), for York County. In accordance with Act 167 Legislation, we are going to hold a Plan Advisory Committee (PAC) meeting, as follows. When: June 24th 2010 at 1:00 PM. Where: York County Annex at Pleasant Acres, Room #1, 118 Pleasant Acres Drive, York 17402. Purpose: To discuss the Plan. Who: At least one (1) representative from each municipality and other interested parties. Members from the municipality may be elected officials, planning commission members, municipal engineers, municipal solicitors or municipal staff.

The meeting agenda will be as follows:

- Overview of the Plan
- Flow Chart
- Issues
- Action Plan

A Question and Answer session will follow. If you have questions prior to the meeting, please contact Mike Shaffer at (717) 771-9870 or mshaffer@vcpc.org.

Chesapeake Bay TMDL Webinar – Jul 8

Sign up for our next webinar to get the latest news and information on the Chesapeake Bay TMDL - a strict "pollution diet" to restore local waters and the Chesapeake Bay. The webinar will be held on Thursday, July 8 at 10 a.m. Among the updates, EPA will discuss the nitrogen and phosphorus limits it will have assigned on July 1 to the six watershed states and the District of Columbia. The State of Delaware will discuss its work in preparing a Watershed Implementation Plan to achieve the pollution reductions. There will also be extensive time for questions and answers. Here is a link to the webinar. The link is also available on the Bay TMDL web site at <http://www.epa.gov/chesapeakebaytmdl>. Nearly 300 people participated in our last Bay TMDL webinar on June 7. We hope you can join us on July 8.

Greenways & Trails Workshop – Jul 15

Date: July 15, 2010. Time: 9am– 4pm. Cost: \$20.00 (includes lunch). Location: Hunt Hall, Bucknell University, Lewisburg, PA. Registration Deadline: July 6, 2010. Please join us for a day-long event as we tackle some of the issues and questions that new trail groups are currently grappling with...

- Owner and Adjacent Landowner Liability Issues
- Developing Effective Trail Easements
- Trail Operations and Maintenance

Mail completed form with check payable to SEDA-COG: Attn: AMY DAVIS, SEDA-COG, 201 Furnace Road, Lewisburg, PA 17837.

Building One Pennsylvania – Jul 16

Runs 10 a.m. to 4 p.m. Friday, July 16, at Thaddeus Stevens College of Technology, 750 E. King St., Lancaster. Doors open at 9 a.m.

- Will highlight land-use and transportation policies that have wreaked havoc on urban centers and first-ring suburbs.
- Will feature national experts on regional equity, land-use planning and municipal and school governance.
- Has invited Pennsylvania gubernatorial candidates, U.S. Senate candidates and members of the federal administration.
- Has a goal of launching an organizing structure for advancing the state and federal policy agenda that will revitalize and strengthen all Pennsylvania communities.

Partner organizations include 10,000 Friends of Pennsylvania, Good Schools Pennsylvania, the Pennsylvania Council of Churches, the Southeastern Pennsylvania First Suburbs Project and [YorkCounts](#). Registration fee is \$15 and advance registration is required. Register online or by mail. If you have questions about either event, contact Dan Fink at 650-1460 or by e-mail at dfink@yorkcounts.org.

Upcoming Green Infrastructure Training Opportunities! – Summer/Fall 2010

- GIS Tools for Strategic Conservation Planning – August 3-6, 2010 in Shepherdstown, WV. This course provides participants with the opportunity to apply Green Infrastructure concepts and principles using GIS! Offered in partnership with NOAA Coastal Services Center, this course is designed for advanced GIS practitioners. Registration Deadline: July 6, 2010. Limited scholarship assistance available.
- Strategic Conservation Using a Green Infrastructure Approach – September 13-17, 2010 in Shepherdstown, WV. This highly-acclaimed introductory course provides participants with a strategic approach for prioritizing conservation opportunities and a planning framework for conservation and development - integrating the green and the grey. Participants will experience firsthand how the green infrastructure approach can be used to connect environmental, social, and economic health across urban, suburban, and rural settings. Participants will also learn how green infrastructure planning can serve as a tool to inform land use decisions and build consensus among diverse interests. Registration Deadline: August 20, 2010. Limited scholarship assistance available.

Register: <http://www.conservationfund.org/node/239>



WATERSHED TECHNICAL ASSISTANCE

Restoring Ecological Health to Your Land

The first practical guidebook to give restorationists and would-be restorationists with little or no scientific training or background the "how to" information and knowledge they need to plan and implement ecological restoration activities. The book sets forth a step-by-step process for developing, implementing, monitoring, and refining on-the-ground restoration projects that is applicable to a wide range of landscapes and ecosystems. Learn more... http://islandpress.org/bookstore/details6d13-2.html?prod_id=2015

Prioritizing restoration across agricultural landscapes

In highly fragmented and degraded landscapes, habitat conservation often requires large-scale ecosystem restoration. Yet, in agricultural areas comprised of a large number of privately owned properties, individual restoration projects are often implemented without a systematic approach to coordinate and prioritize efforts. To address this issue, Bill Thompson from the Ontario Ministry of Natural Resources presents a planning method for prioritizing ecosystem restoration efforts across an agricultural region. The methodology borrows from the conservation planning literature on prioritizing land protection. Read more...

<http://www.conservationmaven.com/frontpage/prioritizing-restoration-across-agricultural-landscapes.html>

Riparian Buffer Report – Managing the Water's Edge: Making Natural Connections

The Southeastern Wisconsin Regional Planning Commission (SEWRPC) released this report on buffers to provide important and up-to-date information and concepts on riparian buffers. Its goal is to help protect and restore water quality, wildlife, recreational opportunities and scenic beauty. To view the report, visit <http://www.sewrpc.org/SEWRPCFiles/Environment/RecentPublications/ManagingtheWatersEdge-brochure.pdf>

Can Restoration Be Based on Local Seed Banks?

A crucial question in ecological restoration is whether target species that are missing from aboveground vegetation are represented in the seed bank. We evaluated the role of persistent seed banks in the restoration of species richness, and the relative value of managed and unmanaged grasslands, by studying closely located and floristically similar mown and abandoned stands of fen and dry-mesophilous meadows. Learn more... <http://www3.interscience.wiley.com/journal/123492379/abstract>

Limited Effects of Large-Scale Riparian Restoration on Seed Banks in Agriculture

I examined the effect of riparian forest restoration on plant abundance and diversity, including weed species, on agricultural lands along the Sacramento River in California (United States). Riparian forest restoration on the Sacramento River is occurring on a large-scale, with a goal of restoring approximately 80,000 ha over 160 km of the river. Learn more... <http://www3.interscience.wiley.com/journal/123492372/abstract>

Can restored wetlands make up for the loss of natural systems?

For the past twenty years, federal law has mandated that natural wetlands destroyed by land development be replaced in greater quantity by manmade wetlands. Do these restored wetlands make up for the loss of natural systems? Does wetland mitigation work? Read more...

<http://bulletin.kenyon.edu/x3369.xml>

Dead planet, living planet: Biodiversity and ecosystem restoration for sustainable development

Biodiversity and ecosystems deliver crucial services to humankind - from food security to keeping our waters clean, buffering against extreme weather, providing medicines to recreation and adding to the foundation of human culture. Together these services have been estimated to be worth over 21-72 trillion USD every year - comparable to the World Gross National Income of 58 trillion USD in 2008. Learn more...

<http://www.grida.no/publications/rr/dead-planet/>

Strategies for Sediment – Getting ready for the new effluent limitation guidelines

Phase II of National Pollutant Discharge Elimination System (NPDES), which has been in effect in most states since 2003, regulates construction-site discharges and is one of the driving forces for contractors and developers to put best management practices (BMPs) in place on their sites. BMPs such as silt fences, straw wattles, other barriers, and inlet protection devices prevent muddy water from flowing off the site or into nearby storm drains. Violations can result in large fines or stop-work orders. While some developers draw up the required stormwater pollution prevention plans (SWPPPs) for their own sites, others hire contractors who specialize in erosion and sediment control to write the SWPPP, install the BMPs, and perform periodic inspection and maintenance until construction is finished. In addition, the EPA issued a final version of its effluent limitations guidelines for construction-site discharges in December 2009, regulating the amount of turbidity in the water that leaves construction sites. The guidelines apply to sites 10 acres and larger. For some sites, it is likely that the usual sediment control BMPs, such as silt fences, won't be enough. In these cases, sites may have to use "active treatment systems," such as filtration systems with some sort of flocculant or polymer to help the fine clay particles settle out of the runoff. Read more...

<http://www.erosioncontrol.com/products-services-directory-2011/sediment-control-strategies.aspx>

Filtered Hope – Structural best management practices

Catching pollutants has never seemed so easy and so complicated as structural best management practices (BMPs), including stormwater treatment devices, become more advanced and more precise to meet increasing municipal, state, and federal water-quality regulations. Arguably, emerging innovations in structural BMPs may be the best protection for our nation's small waterways since the Clean Water Act. Whether the sites mentioned below are located in crowded, urban settings, or wooded, pastoral venues, they share the common goal of improving water-quality through stormwater treatment. Read more... <http://www.stormh2o.com/buyers-guide-2011/filtered-hope-bmp.aspx>

Clean Streets – Cities rely on street sweepers and vacuum trucks

Improved street sweeping and vacuum technologies are helping communities throughout the United States comply with National Pollutant Discharge Elimination System (NPDES) Phase II control measure of pollution prevention and good housekeeping. Systems such as regenerative air sweepers are further helping the environment by not pumping dirty particles back into the air or by using alternative fuels to power the machines. One Michigan contracting company is focusing on water efficiency by creating a vacuuming system that uses recycled sewer water in its operations. And while the public may still not comprehend the relationship between street sweeping and clean water, their appreciation for the process is evident, municipal officials say. Read more... <http://www.stormh2o.com/buyers-guide-2011/clean-streets-sweepers.aspx>

Creating Green Spaces in 'All-Built-Out' Cities (and Boroughs)

Trust for Public Land – "Urban space is highly contested," writes Peter Harnik in his recent book, [Urban Green: Innovative Parks for Resurgent Cities](#). "Every potential new park is in competition with many other uses" So, what's a park-poor city to do? Harnik, director of The Trust for Public Land's [Center for City Park Excellence](#), offers 14 innovative and often surprising ways cities are meeting the need for additional parks. Urban Green is an engaging and informative summer read that we highly recommend. In the meantime, we wanted to share some of the [green-space solutions](#) we've employed nationwide. The same techniques may be applied to York County's Boroughs. Watch video...

http://www.tpl.org/tier3_cd.cfm?content_item_id=23596&folder_id=3208

Urban streams with green walls

For large urban streams, the standard practices in stream and habitat restoration are sometimes not possible, often because decades of infrastructure development have pinned the stream into a narrow corridor. So other approaches need to be considered, and Robert Francis and Simon Hoggart of King's College London discuss ways that existing artificial structures can be put to work to mitigate some of the ecological impacts of urbanization. Learn more...

http://scienceblogs.com/highlyallochthonous/2010/06/urban_streams_with_green_walls.php?utm_source=sbhomepage&utm_medium=link&utm_content=channellink

EPA MS4 Permit Improvement Guide

The U.S. Environmental Protection Agency (EPA) has released a guidance document to help NPDES permit writers with developing municipal separate storm sewer system (MS4) stormwater permits. The guidance provides MS4 permit language, fact sheet language rationale, and recommendations and help for permit writers. To view the guide, visit www.epa.gov/npdes/pubs/ms4permit_improvement_guide.pdf

EPA Releases Implementation Guidance on CAFO Regulations

The U.S. Environmental Protection Agency (EPA) has released to the public a guidance document, "Implementation Guidance on CAFO Regulations – CAFOs That Discharge or Are Proposing to Discharge," that the Agency has developed to assist in implementing the 2008 Concentrated Animal Feeding Operation (CAFO) rule. This guidance will assist EPA and States with program implementation and assist CAFOs in evaluating whether they discharge or propose to discharge. The guidance document is available at <http://www.epa.gov/npdes/caforule>.

