

WAY E-NEWS

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

August 13, 2012

A PUBLIC-PRIVATE PARTNERSHIP

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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

- Proceedings of the National Academy of Sciences Publishes Scientific Paper Online: *Perception of Climate Change*
- National Academies Releases Guidance: *Preparing for the Third Decade (Cycle 3) of the National Water-Quality Assessment Program*
- National Academies Releases Publication - *Disaster Resilience: A National Imperative*
- The Lincoln Institute of Land Policy Makes On-Line Course Available: Local Communities Adapting to Climate Change
- New WARN Videos Available
- Emerald Ash Borer In 6 More Counties, Caution Urged In Moving Firewood
- Stormwater Management Professionals – CSMP Course & Exam Online
- Proposals Currently Open for Comment



WATERSHED ALLIANCE NEWS

Ag Land Preservation Board of York County – www.york-county.org/gov/AUTH/agri.htm

- For information about farmland preservation in York County contact Patty McCandless at pmccandless@york-county.org or call 717-840-7400.

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

- Contact: Deana Weaver at (717) 432-2211 or admin@carrollcitizens.com

Codorus Creek Watershed Association – www.codoruscreek.net

- Oct 15 – Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)
- Sep 8 – Oil Creek Restoration Monitoring, Gits Run Rd., Hanover, 9:00 Am to 1:00 PM
- Contact: Jim Leaman at 843-2929

Codorus Endowment Implementation Committee – www.yccf.org

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

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

Conewago Canoe Club – www.conewagocanooclub.org

- August 25-26 Swift Water Rescue Weekend
- 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, but remember you catch more flies with honey than vinegar.

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

- Contact Lee McDaniel at ldmcdaniel@aol.com.

Farm & Natural Lands Trust of York County – www.farmtrust.org

- Contact: Sean Kenny at Farm & Natural Lands Trust of York County, 156 North George Street, Suite 300, York, PA 17401. Phone (717) 843-4411 or e-mail 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

Gunpowder Valley Conservancy – www.gunpowderfalls.org

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

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

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

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

- 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: lowsusriver@hotmail.com.

Maryland's Upper West Shore Trib Team - <http://www.dnr.state.md.us/waters/tribstrat/>

- A reminder that we'll be meeting on Mon 6th August at 5:30 p.m. - venue still TBD (somewhere in Bel Air). Items on the agenda include:
 - NHHS Treatment Wetland update and request for Team Support - Bill Tharpe, Harford SCD.
 - WIP Updates - County Status Reports
 - SWQAC WIP Ad Hoc Committee
 - Project Updates:
- Contact: RupertRossetti, Tributary Team Coordinator, e-mail: 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

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

- 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

- Contact: Nancy Shaper at nshaper@jhmi.edu

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

- Monthly meetings will be held at the East Shore Area Library (ESA) in Harrisburg at 6:30 pm, except for select dates:
 - Tuesday, 7/31 - ESA - ESA
- Contact GVP Sierra Club, P.O. Box 606, Harrisburg, PA 17108-0606. GVPsierraClub@email.com

Shank's Mare Outfitters GO PLAY OUTSIDE! - www.shanksmare.com

- 2012 Spring & Summer program dates are now posted <http://www.shanksmare.com/html/news.html>
- Call Us: 717-252-1616. Email us: Shanksmare@comcast.net

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

- Sep. 23 - 5th Mother Earth Hands-On Harvest Fair, Sunday, 10am to 5pm, 4255 Pierceville Rd, Glen Rock, PA.
- 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

- 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

- Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Gander Mtn. (winter)
- 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/>

- Aug. 15 - Meeting for Muddy Creek TU will take place at Allegro Winery just up the road from our Nursery on Sechrist road. The proprietor of Allegro has offered their covered deck for our meeting free of charge as a courtesy to us. We will have a social hour starting at 6:00P. The chapter will provide snacks. Wines will be available for our group and/or individual purchase. A membership meeting will follow the social. Bring your spouse, friend or prospective member for an enjoyable evening out on the Allegro Winery Deck.
- Chapter Meeting 3rd Wednesday of month at Collinsville Fish & Game
- Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

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

- Meet the 3rd Wednesday @5pm.
- Contact: Adam McClain, Ph: 717-334-0636; E-mail: stilden@adamswatersheds.org

Watershed Alliance of York - www.watershedsyork.org

- Oct 3 - Meeting of WAY Board of Directors, 7:00 PM, at SOLS, 324 W. Market St., York, PA.
- WAY E-News - Published by the Watershed Alliance of York, Inc. to inform the public about news and information that affect York County watersheds and beyond. PLEASE SHARE WITH YOUR MEMBERSHIP AND E-MAIL LIST. Contributions of news, events and information relating to watershed education, funding, planning, restoration, protection, and stewardship welcome. Send contribution to and contact

us for mailing list additions/changes to the e-mail address below. Distribution: electronic (1,850). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.

- You can make www.goodsearch.com and be sure to enter WAY as the charity you want to support.
- Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: gpeacock@yorkccd.org

Wecology – www.wecologypa.org/ **NEW!**

- We are Promoting the conservation and sustainability of our natural resources. We are Educating the citizens, businesses and municipalities about the important role that trees play in our everyday lives. We are Ensuring a healthy environment while maintaining a viable economy. We are WEcology. A partnership of businesses, government and citizens dedicated to York County sustainability, now and in the future.
- Contact: WEcology 130 E. Market St., York, PA 17405. Phone: 717-718-7554.

Yellow Breeches Watershed Association – www.ybwa.org

- Sep. 12 – Board of Directors meets 6 PM, location TBA.
- Contact: Deborah Goetz, at deborah.p.goetz@gmail.com or phone 717-697-4734

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

- Contact Shanna 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 District – www.yorkccd.org

- Jul 31 – Annual Conservation Awards Picnic, Rudy Park, 7:00-9:00 p.m.
- New Wildlife of PA Journal available for purchase \$24.95
- Rain Barrels- Get one while they last! Visit our website for more information and prices.
- 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

York County Parks & Recreation – www.YorkCountyParks.org

- Nixon Park Nature Center, 5922 Nixon Drive, York PA 17403. Phone: (717) 428-1961. E-mail: NixonCountyPark@york-county.org.
- For more information, contact York County Department of Parks and Recreation, 400 Mundis Race Road, York PA 17406-9721. Phone: (717) 840-7440. E-mail: Parks@York-County.org. Web: www.YorkCountyParks.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

America's Sewage System and the Price of Optimism

Time Magazine (Aug. 1, 1969) – ALMOST every great city has a river. The poetic notion is that flowing water brings commerce, delights the eye, and cools the summer heat. But there is a more prosaic reason for the close affinity of cities and rivers. They serve as convenient, free sewers. The Potomac reaches the nation's capital as a pleasant stream, and leaves it stinking from the 240 million gallons of wastes that are flushed into it daily. Among other horrors, while Omaha's meat packers fill the Missouri River with animal grease balls as big as oranges, St. Louis takes its drinking water from the muddy lower Missouri because the Mississippi is far filthier. Scores of U.S. rivers are severely polluted—the swift Chattahoochee, majestic Hudson and quiet Milwaukee, plus the Buffalo, Merrimack, Monongahela, Niagara, Delaware, Rouge, Escambia and Havasupi. Among the worst of them all is the 80-mile-long Cuyahoga, which splits Cleveland as it reaches the shores of Lake Erie. No Visible Life. Some river! Chocolate-brown, oily, bubbling with subsurface gases, it oozes rather than flows. "Anyone who falls into the Cuyahoga does not drown," Cleveland's citizens joke grimly. "He decays." The Federal Water Pollution Control Administration dryly notes: "The lower Cuyahoga has no visible life, not even low forms such as leeches and sludge worms that usually thrive on wastes." It is also—literally—a fire hazard. A few weeks ago, the oil-slicked river burst into flames and burned with such intensity that two railroad bridges spanning it were nearly destroyed. "What a terrible reflection on our city," said Cleveland Mayor Carl Stokes sadly. Read more: <http://www.time.com/time/magazine/article/0,9171,901182,00.html#ixzz23d1udzcv>

100 Dead Fish Found in Codorus Creek (Fox 43-TV News)

In York County, an investigation is underway into why at least a hundred fish or more suddenly died in Codorus Creek. http://www.fox43.com/news/wpmt-dead-fish-found-in-codorus-creek-20120813_0_6227139_story

DEP investigates dead fish found in Codorus Creek (York Dispatch)

Hundreds of dead fish were spotted Friday evening floating down the Codorus Creek. http://www.yorkdispatch.com/ci_21296692/dep-investigates-dead-fish-found-codorus-creek

Executive Council encourages local actions for healthy waters

The Chesapeake Executive Council (EC) elected the District of Columbia's Mayor, Vincent C. Gray, as their new Chair today, giving him the top leadership position within the Chesapeake Bay Program, during their annual meeting held at Gunston Hall, near Lorton, VA. Additionally, under their meeting's theme, "Step by Step, Stream by Stream: Restoring Our Waters", EC members discussed restoration progress since last year and considered how jurisdictions' short-term milestones, established in 2009, will be used to track their goals for reducing pollution and creating healthy waters, as outlined in their recently-finalized Watershed Implementation Plans. Read more...

http://www.chesapeakebay.net/blog/post/executive_council_encourages_local_actions_for_healthy_waters

Blue crabs at sustainable levels

A new report on the Chesapeake Bay's [blue crab](#) population reveals a blue crab stock that has reached sustainable levels and is not overfished. A stable blue crab population means a more stable Bay economy, with watermen employed, restaurants stocked, and recreational crabbers—and crab-eaters—happy. The report, developed by the [Chesapeake Bay Stock Assessment Committee](#) (CBSAC) and released Friday by the Chesapeake Bay Program's [Sustainable Fisheries Goal Implementation Team](#), highlights the health of a blue crab population with results showing a sustainable number of adult females and more juveniles than have been counted in the past two decades.

http://www.chesapeakebay.net/blog/post/blue_crabs_at_sustainable_levels

Extreme heat. Little rain. But that's a boon for the Bay

WASHINGTON - The mild winter, the dry and toasty spring, and the hottest summer heat wave on record apparently had at least one upside: a cleaner Chesapeake Bay. Last year around this time, the Bay was smothered by one of its largest dead zones - low-oxygen water caused by pollution where fish and plants cannot survive. This year, with so little rain to move pollution from farms and city streets into waterways, the zone "absolutely is much smaller," said Bruce Michael, director of the resource assessment service for the Maryland Department of Natural Resources. Dead zones commonly happen in summer after winter snowmelt and heavy spring rains wash sediment and nitrogen and phosphorus from farm animal waste, fertilizers and urban street garbage into the Bay's tributaries, such as the Susquehanna and Potomac rivers. Six states - Maryland, Virginia, West Virginia, Delaware, Pennsylvania and New York, as well as Washington - sit in the Bay watershed. Nutrient pollution feeds algae blooms that grow and die quickly, decomposing into a thick black goo. Microbes eat decomposed algae during summer and suck out oxygen in the process. Dead zones usually dissipate in September. The benefits of the year's sizzling heat pretty much end at the Bay, the beach and your community swimming pool. But state monitoring that started last month amid record-breaking heat and abnormally dry conditions showed a dramatic improvement from this time last year - very few low-oxygen areas in the Bay's main stem so far, "better than average," Michael said. About 12 percent of water volume in Maryland's portion of the Bay was low in oxygen in June, compared with more than 30 percent last year. This year's dryness in a warming climate has complemented a joint federal and state effort to clean the Chesapeake, the nation's largest estuary, biologists said. The 200-mile-long Bay supports more than 3,500 plant and animal species. Many of the watershed's fisheries play an important role in the Atlantic Ocean's food chain. And because nature's course is unpredictable, the dry summer's helping hand in decreasing pollution could easily become a fist that worsens other problems. A lack of rain and freshwater often increase the Bay's salinity level. Two diseases that plague oysters, Dermo and MSX, thrive in saline. Biologists call the diseases a nightmare because they kill oysters by the bushel just as they become adults.

Bay Buoys Provide Heat Index, Probability of Jellyfish

Data available from 10 buoys in the Chesapeake Bay now includes the heat index and probability of jellyfish, or sea nettles, at the location. The interpretive buoys are maintained by the National Oceanic and Atmospheric Administration. [More info...](#)

EPA proposal expands Clean Water Act regulation

Western Farm Press - Proposed EPA guidance significantly expands the regulatory scope of "waters of the U.S.," bringing with it broad, costly implementation throughout all Clean Water Act (CWA) programs, USA Rice Federation and 48 other agricultural and agribusiness organizations said in a [letter](#) to U.S. Rep. Robert Hurt (R-Va.) and the House Committee on Transportation and Infrastructure. It is extremely important to prevent EPA and the U.S. Army Corps of Engineers from narrowing the CWA exemption Congress explicitly intended for farmers and ranchers, the letter said. Hurt is the sponsor of H.R. 4278, the Preserving Rural Resources Act of 2012, which the committee approved today. H.R. 4278 would reinforce the agricultural exemptions granted to farmers and ranchers by Congress in Section 404 of the CWA, the letter says. Section 404 declares federal policy for waters of the United States, which has evolved over the years to include regulation of wetlands. Examples of EPA Clean Water Act restrictions that have limited farmers from conducting normal farming operations include stopping them from building farm ponds for stock watering and irrigation and regulating the equipment farmers use to plow and the depth at which agricultural-related plowing occurs.

'Unacceptable Levels:' Carlisle man produces film about impact of commercial chemicals on human health

Harrisburg Patriot-News - A simple glass of water got Carlisle waiter Ed Brown thinking about the estimated 200 synthetic industrial compounds that likely had found their way into his body - and yours as well - including more than a few known to cause cancer. View video...

http://www.pennlive.com/midstate/index.ssf/2012/08/unacceptable_levels_carlisle_m.html#incart_river_default

Four-year study looks at contaminants in state's waterways

Sunbury Daily Item - Low concentrations of contaminants, including pharmaceuticals, hormones and organic wastewater compounds, were detected in rivers and streams throughout Pennsylvania during a four year study, according to a U.S. Geological Survey and Pennsylvania Department of Environmental Protection publication released today. Read more...

http://dailyitem.com/0100_news/x1962237007/Four-year-study-looks-at-contaminants-in-states-waterways

USEPA Scientists at Work: Measuring Roadway Pollutants.

How EPA studies pollution from major roadways and how it affects people who live nearby. <http://www.youtube.com/watch?v=1W1wix7NdAY>

Geothermal Heat Pumps

PSE – How do you heat your home? Oil? Gas? Electricity? How about cooling it? Do you have electric central air conditioning? What type of water heater do you have? Are those utility bills eating into your paycheck? Have you ever thought of installing a geothermal heating and cooling system? Read more... http://extension.psu.edu/water/discovery-watersheds/news/2012/geothermal-heat-pumps?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29

Reprint of Native Plants for Wildlife Habitat and Conservation Landscaping

We are gearing up for a reprint of the native plant guide. Interested organizations will purchase their copies (+ shipping) directly from the printer. If we can get enough orders to equal: 15,000 copies, the price to you would be \$1.60 per copy (+ shipping); 20,000 copies, the price to you would be \$1.50 per copy (+ shipping); 30,000 copies, the price to you would be \$1.40 per copy (+ shipping). Right now, I have requests to print 5000 copies. So we need at least 10,000 more to make it affordable. Sorry I don't know the shipping charge-I'm looking into that. If you are interested send me an email including name: name, organization, address, email, phone, maximum # of copies you can commit to. If you need < 200 copies, please consider contacting other organizations or other chapters of your organization and pool your request for ease of billing and shipping. Please respond directly to Ms. Reshetiloff if your organization is interested in purchasing reprints from the printer (Mount Royal Printing). Damien Ossi, Wildlife Biologist, Fisheries and Wildlife Division, District Dept. of Environment, 1200 First Street; Fifth Floor, Washington, DC 20002. Phone: 202-741-0840. E-mail: damien.ossi@dc.gov.

Sustainable ag and manure to power at Brubaker Farms

Here's the latest video from the Chesapeake Bay Program. I visited Brubaker Farms in Lancaster County, PA to learn about sustainable agriculture, manure to power, and other really neat conservation practices. Thanks for watching, and please share! <https://vimeo.com/46730880>. http://www.youtube.com/watch?v=M1rt3_A50C0

Water Is Worth It Video Project

Be a part of EPA's Clean Water Act 40th Anniversary video project: Tell us why "Water is Worth It" to you. As a part of EPA's Clean Water Act 40th Anniversary celebration, the Agency is hosting a video project asking Americans to send in a 15-second video clip explaining the important role that water plays in their lives. EPA will feature selected video clips on its website and "Water Is Worth It" Facebook page as part of its anniversary celebration. Video submissions are being accepted until September 14, 2012. [Click here for more information.](#)

The Story Of Change

[Green Living Tips](#) (07/20/2012) – Annie Leonard is back with a new video in her 'Story Of' series - The Story Of Change: Why Citizens (Not Shoppers) Hold The Key To A Better World. Living green is a great place to start, but a terrible place to stop says Annie in her latest video. Annie points out that many of the "going green" tips kicking around the place (including some of those on this site) start out with buying more environmentally products and end with recycling those items. She raises a very valid point - that we can't buy our way out of this mess; change needs to occur at the source of the problem. At Annie's site, StoryOfStuff.org, you can learn what type of change maker you might be - and the next steps you can take.



WATERSHED FACILITATION ASSISTANCE

South Mountain Outdoors 2012 Festival – Sep 1-2

Saturday, September 1st through Sunday, September 2nd. South Mountain Outdoors 2012 Festival will feature a Labor Day Weekend full of Great events! Covering portions of Adams, Cumberland, Franklin and York counties, will offer unique experiences and recreational opportunities for the entire family to enjoy! Highlight Events for South Mountain Outdoors 2012: Specialty programming at

- [Kings Gap Environmental Education Center](#)
- [Strawberry Hill Nature Preserve](#)
- [Gettysburg Fruit and Wine Trail](#) and many more!

Passport Programs will be available to pick up at all of the participating locations, prior to and during South Mountain Outdoors 2012 as well as downloadable from [here!](#) The Passport Program will contain a list of participating businesses and program partners that are offering events and experiences around South Mountain! South Mountain Outdoors will showcase some of the best recreational opportunities throughout the entire South Mountain region of South Central Pennsylvania. You won't want to miss out! Head [here](#) to scan the list of businesses and organizations that are participating in the South Mountain Outdoors Festival, along with key locations to enhance your time in the South Mountain region! <http://southmountainoutdoors.blogspot.com/2011/07/south-mountain-outdoors-2011-labor-day.html>

GI 101: Strategic Conservation Planning Using a Green Infrastructure Approach – Sep 10-14

Shepherdstown, WV – This 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. Through hands-on class projects, lectures, and numerous case studies, 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 29, 2012. *Limited Scholarship Assistance Available!* Learn more... http://conservationfund.org/course/strategic_conservation_planning_using_green_infrastructure_approach

Go Local for Health Summit – Sep 18

Go Local for Health Summit is being held in Gettysburg, PA on September 18. This free event is now open for registration and will provide opportunities for you to engage with experts on topics such as improving access to healthy, affordable, and local food; innovative community

healthy eating and recreation initiatives; the media's impact on health and wellness; how physicians can be community leaders for better health. <http://www.golocal4health.blogspot.com/>

DEP Webinar To Focus On Water Wellness – Sep19

Join experts from the Department of Environmental Protection and [Penn State Extension's Master Well Owner Network](#) on September 19 for [an informative webinar](#) about keeping your on-lot septic and private water systems problem-free. Learn how to avoid malfunction, prevent contamination, conserve water and reduce waste flow. The webinar will take place from 7 to 8 p.m. Attendees can participate from the convenience of their home computers. There are over one million private water wells in Pennsylvania. Research has shown that more than 50 percent of these private water systems fail to meet at least one drinking water standard. Properly maintaining private water and sewage systems is essential in ensuring residents' health. Featured speakers include Bryan Swistock of the PA Master Well Owners Network and John Diehl of DEP's Bureau of Point and Non-Point Source Management. The Master Well Owners Network seeks to train volunteers throughout Pennsylvania to help educate rural homeowners on the proper management of private water wells. The Bureau of Point and Non-Point Source Management is an office within the Department of Environmental Protection that ensures safe water practices throughout the state. This webinar is the second in a series of webinars produced by the Department of Environmental Protection. They are aimed at educating families about improving their home environment and safeguarding their health. Future topics will focus on energy conservation and radon testing and mitigation. This webinar is free and open to any and all interested residents. [Online registration](#) is available for the webinar if you are unable to participate on September 19, or for more information, visit DEP's [DEP@Home](#) webpage.

PEC: Registration Now Open For Sept. 18-19 Stormwater Conference – Sep 18-19

The PA Environmental Council is happy to announce registration is now open for our conference "[Stormwater- Green Solutions beyond Gray Pipes: A Conference on Policy, Financing and Technology](#)" on September 18 and 19 in Harrisburg. The profile of stormwater has steadily been increasing in recent years. Municipalities, businesses and homeowners are, now more than ever, looking for opportunities to effectively manage rainwater where it falls as a resource and to deliver improved environments. Green infrastructure experts will provide current local and regional perspectives and practical, cost effective solutions for managing stormwater in Pennsylvania. For the conference agenda and to register, visit the [Stormwater Conference](#) website.

2012 Eastern Pennsylvania Greenways & Trails Summit – Sep 18-19

2012 Eastern Pennsylvania Greenways & Trails Summit is on September 19-20 at DeSales University in Center Valley, PA. This two day event highlights regional trail initiatives, real-world solutions to trail issues, best practices and innovative case studies from across the region, need-to-know information for your trail, and a half-day of hands-on field experience. <http://www.delawareandlehigh.org/index.php/community-outreach/program/2012-eastern-pennsylvania-greenways-trails-summit/>

Its Time To Register For the 7th Annual CHESAPEAKE WATERSHED FORUM – Sep 27-30

September 27 – 30, 2012, National Conservation Training Center (NCTC), Shepherdstown, West Virginia – Come and join us as we celebrate the diversity of the Chesapeake watershed with a variety of workshops, networking opportunities and social activities. This is a great event to keep your watershed organization (staff, board, volunteers) or your local government up-to-date in the latest advocacy tools, emerging issues concerning the Chesapeake Bay, land preservation and conservation, planning and regulation, restoration science and engaging local citizens. This year's Keynote event at the Forum will be unique with two renown's in the Chesapeake Bay region, Dave Harp, photographer and Tom Horton, environmental writer coming together to provide participants an unique view of the Bay watershed. A Pre-forum Workshop will be offered this year from Thursday, September 27 to Friday, September 28 (Noon to Noon) for Local Government Representatives.

- Registration fees (includes lodging and meals) Pre-forum workshop \$95 (\$100 after August 30) includes one night's lodging (Thursday) and meals (Thursday lunch to Friday lunch).
- Chesapeake Watershed Forum \$190 (\$200 after August 30) includes meals from Friday lunch to Sunday lunch and 2 night's lodging (Friday and Saturday). No lodging rooms are available on-site Thursday night so if you need to arrive early there are plenty of hotels to stay in the Shepherdstown/Harpers Ferry/Hagerstown area.

For more registration details and to register...click [here!](#)

Inaugural Conservation Landscape Summit – Oct 29-30

Inaugural Conservation Landscape Summit will be held in Harrisburg, PA October 29-30, 2012. Learn how communities are using their natural assets to drive local conservation, planning and community economic revitalization efforts. For more information or to register visit www.landscapesummit.org. Media contact: Christina Novak, 717-772-9101. SOURCE Pennsylvania Department of Conservation and Natural Resources.



WATERSHED FINANCIAL ASSISTANCE

FirstEnergy Accepting Applications From Educators For STEM Grants – Sep 17

FirstEnergy Corp. is offering [education grants](#) of up to \$500 for creative classroom projects planned for the 2012-2013 school year. The deadline for applications is September 17. The Science, Technology, Engineering and Mathematics (STEM) Classroom Grants are awarded for creative, individual classroom projects for grades pre-kindergarten through 12. The grants are available to educators and youth group leaders located in communities served by FirstEnergy's 10 electric operating companies, or in communities where the company has generating plants or does business. Grants will be awarded based on the recommendations of the FirstEnergy Education Advisory Council. Winners will be notified by October 8. More than 1,000 STEM grants have been awarded to educators and youth group leaders since 1986. For more information, visit the FirstEnergy [Education Grants](#) webpage.

APA Planning Awards – Aug 28

The American Planning Association is accepting nominations for the 2012 Transportation Planning and Environmental Planning Awards. The

Transportation Planning Award honors efforts to increase transportation choices, reduce dependence on private automobiles, help ease congestion and reduce climate change impacts. The Environmental Planning Award honors efforts to create greener communities that reduce the impact of development on the natural environment and improve environmental quality. Nominations due by August 28, 2012. <http://www.planning.org/awards/>

Applications Now Being Accepted For Chesapeake Bay Environmental Education Grants – Aug 31

The Chesapeake Bay Trust is pleased to announce the creation of a new grant initiative, the [Environmental Education Capacity Building Program](#). Applications are due August 31. Through this new program, the Trust seeks to further Environmental Literacy efforts in Region 3 (Maryland, Virginia, the District of Columbia, Delaware, Pennsylvania and West Virginia). The program was established with support from the U.S. Environmental Protection Agency Office of Environmental Education to provide accessible funds to local education agencies, college or universities, state education or environmental agencies, and non-profit organizations for Environmental Education capacity building that advances state and local environmental education efforts. You can learn more about this new grant program on the [Chesapeake Bay Trust](#) website, or by reading the [official request for proposals here](#). As this is the first time a Trust grant has been made available to all of Region 3, please help us spread the word about this opportunity to your news, email and social media contacts. You can find the official [press release here](#). If you would like to find more information on the grant programs being discussed, please review the new [Environmental Education Capacity Building Grant Program](#) webpage or contact Kacey Wetzel at 410-974-2941, ext 104.

PEMA: Fire Company & Volunteer Ambulance Services Grants – Oct 19

The PA Emergency Management agency is now accepting applications for its Fire Company and Volunteer Ambulance Services Grant Program until October 19. Written guidelines, instructions and applications for the grants will [be available online](#) no later than September 5. ([formal notice](#))



WATERSHED TECHNICAL ASSISTANCE

Spillways Can Divert Sand from River to Rebuild Wetlands

ScienceDaily (July 24, 2012) – Researchers could have a new method to rebuild wetlands of the Louisiana delta, thanks to a chance finding while monitoring severe flooding of the Mississippi River. A team of civil engineers and geologists from the University of Illinois, in collaboration with the U.S. Army Corps of Engineers, published their findings in the journal *Nature Geoscience*. In the spring and summer of 2011, high floodwaters on the Mississippi prompted the corps to open the Bonnet Carre spillway. The spillway had been built to divert water from urban New Orleans after flooding in 1927. The Illinois team saw in the spillway opening a chance to study how much sand flowed from the river into the spillway wetlands. Armed with funds from the National Science Foundation, the researchers went to the spillway site to monitor the sand diverted from the river to the delta wetlands. They discovered a surprising dichotomy: a mere 10 to 15 percent of water from the top of the river sloshed into the spillway, but an estimated 36 to 41 percent of the river's sand load deposited into the Bonnet Carre. The findings were exciting to the team, because diverting river sediment has been a goal of research work to build up wetlands. Coastal wetlands act as a natural buffer against storm surges, protecting residential areas from the turbulent weather along the gulf. Under natural conditions, flooding periodically would inundate the wetlands, allowing sediment overflow to deposit incrementally over time to replace ground lost to erosion. However, since the urbanization of New Orleans, the extensively engineered levee system has cut off the river from the wetlands. What caused such a large percentage of sand to divert to the spillway in such a small amount of water? The researchers believe that the local conditions at that point in the river hold the answer. The spillway is on the inside of a bend and adjacent to a sandbar. Now, the researchers will further explore how local river conditions could favor the movement of sediment from the river into the neighboring wetland spillway. They plan to use modeling and lab studies to find optimal conditions that could shunt sediment out of the river, with the eventual goal of designing other spillways that could be opened strategically to rebuild lost wetlands without flooding residential areas. Geology professor James Best, geology and civil and environmental engineering professor Gary Parker, graduate students Ronald Cash and Matthew Czapiga, and corps engineer Christopher Brantley were co-authors of the study.

A Function-Based Framework for Stream Assessment and Restoration Projects Available Online

EPA has released a new technical resource to improve stream assessment and restoration for watershed practitioners. A Function-Based Framework for Stream Assessment and Restoration Projects lays out a framework for approaching stream assessment and restoration projects that focuses on understanding the suite of stream functions at a site in the context of what is happening in the watershed. The framework is an expansive resource covering watershed and river corridor processes, and the document provides several hypothetical examples and a detailed discussion of how the framework could be used to develop and assess stream restoration projects. [Click here for more information.](#)

New EPA Tool Helps Estimate the Affordability of Water Pollution Control Requirements

EPA has released a new, web-based tool to help a variety of stakeholders evaluate the economic and social impacts of pollution controls needed to meet water quality standards set for specific uses for a waterbody, such as swimming or fishing. This tool could be used by states, territories, tribes, local governments, industry, municipalities and stormwater management districts. The tool will help stakeholders identify and organize the necessary information, and perform the calculations to evaluate the costs of pollution control requirements necessary to meet specific water quality standards. The tool prompts users to submit treatment technology information, alternative pollution reduction techniques and their costs and efficiencies, and financing information, as well as explain where that information can be found. [Click here for more information.](#) For additional information, contact Gary Russo at 202-566-1335 or email russo.gary@epa.gov.

New Information About Harmful Algal Blooms Online

EPA has published a new web page on harmful algal blooms to help inform states, tribal and local governments, other federal agencies, and the public about key issues regarding cyanobacteria, or blue-green algae, blooms in recreational waters and drinking water. Harmful algal blooms cause fouling of beaches and shorelines, economic and aesthetic losses, taste and odor problems in drinking water, and direct risks to

human, fish and animal health. The web page includes information on the causes of bloom occurrence, prevention and mitigation measures, adverse human health effects from exposure to cyanotoxins (toxins from blue-green algae), ecological effects, sampling and detection methods, policies and guidelines, past and ongoing research, and links to other sites with information on algal toxins in freshwater. [Click here to visit the web page.](#)

New Urban Waters Outreach Toolkit

EPA, through the Anacostia Watershed Outreach and Education Project, has released a comprehensive toolkit that EPA regional offices, watershed organizations and others who promote green business can use to encourage homeowners to install rain barrels to prevent contamination in their local rivers. The toolkit includes details on the development of social marketing outreach to local residents, lessons learned and a summary of project accomplishments. Appendices include communication scripts for weathercasters, a detailed list of project partners, partnerships, and photos and screenshots of the messages used. For more information contact Catherine King at king.catherine@epa.gov or Bryan Goodwin at goodwin.bryan@epa.gov. [Click here for more information.](#)

Press Release: EPA, HUD, DOT Partner on Governors' Institute on Community Design

HUD and DOT are now partnering with EPA to support the Governors' Institute, which helps governors and their staff make informed decisions about investments and policy decisions that influence the economic health and physical development of their states. HUD and DOT's support mean faster, more streamlined access to federal programs and resources. Read the press release:

<http://www.epa.gov/smartgrowth/index.htm>. Learn more about the Governors' Institute: http://www.epa.gov/smartgrowth/gov_institute.htm

Well-managed grazing systems: A forgotten hero of conservation

Journal of Soil and Water Conservation - Ecologically sound grazing management is an underused and underappreciated conservation tool in the eastern United States. Well-managed pasture systems combine vigorous perennial vegetation cover, reduced pesticide and fertilizer inputs and lower costs of production using ecological approaches to generate ecosystem services for society, as well as economic sustainability for the producer. Alan J. Franzluebbers et al. discuss the potential of well-managed pasture systems to provide ecosystem services, provide thoughts for discussion on the barriers to adoption of such systems in the eastern United States and offer some solutions to move such systems forward through policy and educational efforts. Read more... <http://www.iswconline.org/content/67/4/100A.full.pdf+html>

Precision agriculture more than just tools and technology

AgWired - With the introduction of conservation and horticulture, precision agriculture is branching out. "This is an indication that precision agriculture goes beyond just tools and technology. It's really a mindset," said Steve Phillips with the International Plant Nutrition Institute and moderator of a session entitled, "Precision A to Z for Practitioners III," at the recent International Conference on Precision Agriculture in Indianapolis. Read more... <http://agwired.com/2012/07/26/precision-ag-more-than-just-tools-and-technology/>

Cereal rye as a cover crop builds organic matter, anchors soil

Corn & Soybean Digest - Looking back 141 years to when his farm was first surveyed, Iowa farmer Steve Berger knows half of the organic matter in soils has been lost. "Farmers are depleting organic matter pretty quickly. Our goal is to preserve or increase it," Berger says. "We aim to have something growing year round, and that's where our cover crop comes in." Steve Berger first seeded cereal rye as a cover crop on a continual basis 12 years ago on his 2,100-acre southeastern Iowa crop and livestock operation. His father Dennis began no-tilling their ground in the late 1970s, so early adoption is a tradition there. "Cereal rye is our chisel plow; it makes a tremendous 30-48-in.-deep root system for the corn roots to follow down," Berger says. "If those roots grow just 1 ft. deeper, that's 2 in. more available moisture. In some years that's a big deal." <http://cornandsoybeandigest.com/conservation/rye-his-chisel-plow-it-builds-organic-matter-anchors-soil>

Proceedings of the National Academy of Sciences Publishes Scientific Paper Online: Perception of Climate Change

James E. Hansen, a prominent NASA climate scientist and the head of the Goddard Institute for Space Studies, along with two co-authors, published a scientific paper this week in the Proceedings of the National Academy of Sciences. "Climate dice," describing the chance of unusually warm or cool seasons, have become more and more "loaded" in the past 30 years, coincident with rapid global warming. The distribution of seasonal mean temperature anomalies has shifted toward higher temperatures and the range of anomalies has increased. An important change is the emergence of a category of summertime extremely hot outliers, more than three standard deviations warmer than the climatology of the 1951-1980 base period. This hot extreme, which covered much less than 1% of Earth's surface during the base period, now typically covers about 10% of the land area. The paper discusses the practical implications of this substantial, growing, climate change. To read the paper, please visit: <http://www.pnas.org/content/early/2012/07/30/1205276109.abstract>.

National Academies Releases Guidance: Preparing for the Third Decade (Cycle 3) of the National Water-Quality Assessment Program

During the 1980s and 1990s, the National Weather Service undertook a major, comprehensive modernization effort that succeeded in achieving major improvements for the weather, water, and climate organization. Despite this success, accelerating improvements in technology and the science of meteorology and hydrology imply that continuing modernization of the National Weather Service is required. *Preparing for the Third Decade (Cycle 3) of the National Water-Quality Assessment (NAWQA) Program* uses lessons learned from the 1990s modernization process to develop guidance on how best to plan, deploy, and oversee future improvements to the National Weather Service. For more information, please visit:

http://www.nap.edu/catalog.php?record_id=13464&utm_medium=email&utm_source=The%20National%20Academies%20Press&utm_campaign=NAP+mail+new+7.31.12&utm_content=Downloader&utm_term=#description

National Academies Releases Publication - Disaster Resilience: A National Imperative

No person or place is immune from disasters or disaster-related losses. Infectious disease outbreaks, acts of terrorism, social unrest, or financial disasters, in addition to natural hazards, can all lead to large-scale consequences for the nation and its communities. Communities thus face difficult fiscal, social, cultural, and environmental choices about the best ways to ensure basic security and quality of life against hazards, deliberate attacks, and disasters. One way to reduce the impacts of disasters on the nation's communities is to invest in enhancing resilience - the ability to prepare and plan for, absorb, recover from, and more successfully adapt to adverse events. *Disaster Resilience: A*

National Imperative addresses the broad issue of increasing the nation's resilience to disasters. This report describes the state of knowledge about resilience to hazards and disasters, and frames key issues related to increasing resilience in the United States. It also provides goals, baseline conditions, or performance metrics for national resilience and outlines additional information, data, gaps, and/or obstacles that need to be addressed to increase the nation's resilience to disasters. For more information, please visit: http://www.nap.edu/catalog.php?record_id=13457.

The Lincoln Institute of Land Policy Makes On-Line Course Available: Local Communities Adapting to Climate Change

Local Communities Adapting to Climate Change is adapted from a two-day course that uses videos, interactive exercises, and self-assessments, to introduce tools for climate change adaptation planning, assessing climate change risks, climate downscaling, collaborative decision-making, and scenario planning. Decision makers can use these practical tools for everyday land use, development, and infrastructure decisions to reduce vulnerability and enhance resilience. The Lincoln Institute of Land Policy focuses on issues concerning the use, regulation, and taxation of land. The Institute strives to improve public dialogue and decisions about land policy through education, research, policy evaluation, demonstration projects, and the dissemination of information and policy analysis. The course is free, although one must register to access it. For more information, please visit: <http://www.lincolninst.edu/education/education-coursedetail.asp?id=836>.

New WARN Videos Available

The U.S. Environmental Protection Agency (EPA) has developed two videos to help Water and Wastewater Agency Response Networks (WARN). A WARN is an intrastate coordination of “utilities helping utilities” to respond to and recover from emergencies by sharing resources with one another. The WARN framework provides a forum for maintaining emergency contacts, providing expedited access to specialized resources, and facilitating training on resource exchange during an emergency. The new videos seek to improve water sector awareness of the WARN initiative, attract new members to existing WARNs, promote the benefits of WARN, and show tabletop exercises. The first video, titled “Background on the WARN Initiative,” is targeted to non-WARN members and response partners unfamiliar with WARN. The video describes how WARN programs were started, the current status of WARNs across the U.S., and the benefits of joining a WARN. The second video, “WARN Tabletop Exercises,” is intended for existing WARN members and uses footage from actual tabletop exercises. The video describes the benefits of these exercises, discusses key issues and lessons learned from previous exercises, and encourages participation in these trainings. Both videos may be found at the EPA Office of Water’s Mutual Aid and Assistance website at www.epa.gov/mutualaid

Emerald Ash Borer In 6 More Counties. Caution Urged In Moving Firewood

The [Emerald Ash Borer](#) beetle has been discovered in Bucks, Franklin, Jefferson, Perry, Snyder and Venango counties. With these new finds, 28 counties are now dealing with the invasive ash tree-killing pest. The beetle was recently found in Bucks, Franklin, Jefferson, Perry, Snyder, and Venango Counties. As part of a national survey, the Department of Agriculture Emerald Ash Borer crews began hanging more than 750 triangular purple traps from ash trees in eastern Pennsylvania in May. The traps are designed to attract flying adult beetles to help detect further spread. Additionally, more than 350 non-trap survey sites were investigated for presence of the pest. Crews will continue to monitor the traps and sites through August. DCNR is providing support to communities and state parks to develop management plans for the Emerald Ash Borer. The agency is also working to obtain grants to protect trees against attack and releasing biological control agents to fight the pest. A federal Emerald Ash Borer quarantine restricts moving ash nursery stock, green lumber, and any other ash material, including logs, stumps, roots and branches, from the state. The U.S. Department of Agriculture may allow some movement of wood products within the 16 infested states. Contact your USDA inspector for details. Due to the difficulty in distinguishing between species of hardwood firewood, all hardwood firewood and wood chips—including ash, oak, maple and hickory—are considered quarantined. No firewood may be moved into Pennsylvania from another state without proper inspection and certification. Emerald Ash Borer beetles can kill an ash tree within three years of the initial infestation. Native to Asia, adults are dark green, one-half inch in length and one-eighth inch wide, and fly only from early May until September. Larvae spend the rest of the year beneath the bark of ash trees. When they emerge as adults, they leave D-shaped holes in the bark about one-eighth inch wide. The invasive Emerald Ash Borer beetle was first detected in Michigan in 2002 before spreading to Butler County, Pa., in the summer of 2007. It has since been found in other counties, including Allegheny, Armstrong, Beaver, Bedford, Centre, Clarion, Cumberland, Fulton, Huntingdon, Indiana, Juniata, Lawrence, Lycoming, Mercer, Mifflin, Somerset, Sullivan, Union, Washington, Westmoreland and Wyoming in addition to the recent discoveries in Bucks, Franklin, Jefferson, Perry, Snyder and Venango. People who suspect they have found Emerald Ash Borer beetles in a new area should call the department’s toll-free automated pest hotline at 1-866-253-7189. For more information, visit Agriculture’s [Emerald Ash Borer Survey Program](#) webpage.

Stormwater Management Professionals – CSMP Course & Exam Online

This online course provides the conceptual and technical background necessary to understand the processes that effect the erosion, transport, and deposition of sediments due to stormwater. It presents the regulatory background and framework needed to address stormwater issues and prepare the plans needed to adhere to the applicable permits and regulations. Upon successful completion of coursework, you will obtain CSMP (Certified Stormwater Management Professional) certification through the Environmental Technology Consortium. 1.0 CEUs are also available through the University of Arizona. <http://www.etietc.com/stormwatermanagement.html>

Proposals Currently Open for Comment

Date Published In PA Bulletin	Proposal	Comment Deadline
7/7/2012	Water Quality Toxics Management Strategy - Statement of Policy (25 Pa. Code Chapter 16) PA Bulletin Notice Annex A	8/21/2012
7/7/2012	Triennial Review of Water Quality Standards(25 Pa. Code Chapter 93) PA Bulletin Notice	8/21/2012
7/7/2012	Measurement and Reporting of Condensable Particulate Matter Emissions(25 Pa. Code Chapters 121 and 139) PA Bulletin Notice	9/10/2012

