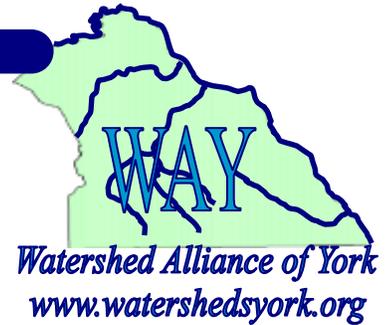


WAY E-NEWS

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



January 3, 2011

A PUBLIC-PRIVATE PARTNERSHIP

Volume 11, Issue 1

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WATERSHED CONTACTS

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

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

24-HR EMERGENCIES – (877) 333-1904

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

ENVIRONMENTAL – DEP-SCRO

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

FISHERIES – (800) 541-2050

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

GAME & WILDLIFE – (888) 742-8001

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

ILLEGAL DUMPING

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

- Illegal dumping York County 840-7687

MUNICIPAL (Phonebook Blue Pages)

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

NOXIOUS PLANTS – (717) 772-5209

RECYCLING – (717) 845-1066

WETLANDS – (717) 249-2522

Updated 8/17/2010

WATERSHED ALLIANCE NEWS

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

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

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

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

Codorus Creek Watershed Association – www.codoruscreek.net

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

<> Contact: Jim Leaman at 843-2929

Codorus Endowment Implementation Committee – www.yccf.org

- An advised fund of York County Community Foundation, the Codorus Watershed Endowment (CWE) is a substantial source of charitable support for the stream's improvement and the benefit of the many York Countians who use and enjoy this critical resource - for agriculture, industry, recreation and wildlife, and for drinking water and other municipal purposes.
- The Endowment was created in December, 2001, with the Foundation's receipt of a \$2 million payment from Glatfelter of Spring Grove, PA, as part of a consent decree settling litigation. A committee of respected environmental, business, and civic leaders has been appointed to lead projects supported by the Endowment.
- GOALS. The goals of the Codorus Watershed Endowment are as follows:
 - Expansion of York Countians' recreational use of the Codorus - for fishing, boating, swimming (etc.).
 - Improvements to the appearance and vitality of the main stem of the Codorus Creek, which runs through York City.
 - Protection and improvement of the water supply, water quality, stream hydrology and habitat for fish and wildlife in the Codorus Creek watershed.
 - Growth of environmentally sensitive, Codorus-linked businesses.
 - Better understanding and education among York Countians about the importance of the Codorus - which is a primary source of our drinking water, among other benefits - and steps to improve and protect the health of our watershed.
 - New appreciation of the Codorus as a treasured York County asset - a resource for residents and visitors to enjoy and protect.

<> 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

• Jan. 6 – Club Meeting – Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville

• Red Lion High School Paddling Instruction Schedule online

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

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

• State Preserves 83 Rural Legacy Acres Along Deer Creek – Board of Public Works (BPW) approval to preserve 83 acres of Maryland's landscape on two properties in Harford County in the Deer Creek Rural Legacy Area.

<> 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/

• March 19 – Spring Fling– Hanover Elks

<> 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

• 'Tis the season to be celebrating, giving...and recycling! Baltimore County will engage in a Christmas tree recycling program again this holiday season. Pass the following information on to other members of your Baltimore County community. To conserve fuel this winter, curbside collection of Christmas trees will involve two collections over a one-week period. Christmas tree recycling collection from Baltimore County single-family homes and town homes will begin Monday, January 10, 2011. To ensure collection, residents must place their tree at the front curb/street by Saturday, January 15, 2011. Baltimore County residents who live in an apartment or a condominium should follow their property manager's instructions for Christmas tree collection.

<> 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

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

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

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

- Calendar of events 2010 - www.yorkchapter67iwla.org/id21.html

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

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

Lower Susquehanna Riverkeeper - www.lowersusquehannariverkeeper.org

- Seeking a Full-Time OPERATIONS DIRECTOR.

<> 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/bay/tribstrat/upper_west/up_west_shore.html

- Meeting Monday January 3rd. Room 5 at the McFaul Activity Center, Bel Air

- **Tree-Mendous Maryland** still has trees available for plantings on public lands in Maryland. Green schools receive a 1:1 match up to 20 trees. The prices have been reduced for trees which previously cost \$28 or \$32. The order form can be downloaded by clicking [here](#).

Contact Lindsay Major, 410.260.8510 or lmajor@dnr.state.md.us if you need additional information.

- The final Phase I WIP document has been submitted to EPA and is available on the MDE website for your review. You can access it at the following link http://www.mde.state.md.us/programs/Water/TMDL/TMDLHome/Pages/Final_Bay_WIP_2010.aspx

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

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

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

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

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

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

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

<> 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

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

<> 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!

<> Kim Anderson at sgfornyc@aol.com.

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

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

<> Contact Rob & Lucy Woods at Spoutwood Farm at 717-235-6610 or spoutwood@comcast.net.

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

- We are currently developing our 2011 Calendar of Events. The following events have been scheduled:

- Wednesday, January 5, 2010 - Historic 12th Night Celebration and Zimmerman Center Open House - 3pm-8pm

- Wednesday, April 13 - Susquehanna Heritage Lecture Series - 6:30pm Rocks and Mining History along the Lower Susquehanna River, Presented by Jeri Jones, Jones Geological Services

- Saturday, April 23 - Guided walking tour - Shenk's Ferry Wildflower Preserve - Lead by Mark Arbogast, Park and Recreation Expert - 10am-11:30am

Questions? Please contact Marie Cartwright, Outreach & Communications Coordinator mcartwright@susquehannaheritage.org or 717-252-0229 ext. 4

- SGHA is pleased to announce the launch of our new membership program. We are very appreciative of all the support and donations we have received over the years, and have now formalized the process with a membership program in order to better recognize our donors and increase our opportunities to connect with individuals and organizations. If you are interested in helping support our work as a

Heritage Area, or for more information about the membership program, visit our website www.SusquehannaHeritage.org or click here <http://www.susquehannaheritage.org/SGHAMembership.asp>.

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

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

• Jan 12 – 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/>

• Jan 19 – Chapter Meeting at [Collinsville Fish & Game](#)

<> Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

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

• Meet the 3rd Wednesday @5pm.

<> Contact: Adam McClain, Ph: 717-334-0636; E-mail: stilden@adamswatersheds.org

Watershed Alliance of York – www.watershedsyork.org

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

• WAY E-News – Published by the Watershed Alliance of York, Inc. to inform the public about news and information that affect York County watersheds and beyond. PLEASE SHARE WITH YOUR MEMBERSHIP AND E-MAIL LIST. Contributions of news, events and information relating to watershed education, funding, planning, restoration, protection, and stewardship welcome. Send contribution to and contact us for mailing list additions/changes to the e-mail address below. Distribution: electronic (1,850). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.

• You can make www.goodsearch.com and be sure to enter WAY as the charity you want to support.

<> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: gpeacock@yorkccd.org

Yellow Breeches Watershed Association – www.ybwa.org

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

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

• Jan 12 – 9:00 AM Public Forum – John Hines, Sec. PADEP speaking on Chesapeake Bay TMDL followed by YARSGC-BOD meeting, at RAYAC, York, PA.

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

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

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

• Monday, February 14, 2011: Donald and Marion Wilson present "Our Best Pictures"

• Monday, March 14, 2011: Harry Campbell presents "From Pennsylvania to the Bay: Challenges and Solutions for Restoring Our Streams and the Chesapeake"

<> Contact Tom Smith at 717-246-9767 or tls35@psu.edu.

York County Conservation 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 Barrel Sale! Visit our website for more information and prices.

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

York County Parks & Recreation – www.YorkCountyParks.org

• Winter—the season of short days and long nights, bare trees and blazing fires—has arrived. As the temperatures drop and cabin fevers rise, join us to explore the hushed winter world and observe the signs of the coming spring. Featuring 11 parks and approximately 4,300 acres, the York County Department of Parks and Recreation awaits your visit. Trails, lakes, pavilions, streams, and creatures of all kinds eagerly look forward to seeing you. So bundle up, pack some hot cocoa, and bring the family out to hike the trails, sled on the hills, watch the stars, and breathe in the crisp, fresh air of the New Year.

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

2010 State of the Bay

CBF released the [2010 State of the Bay Report](#)—and there is good news and bad. The Chesapeake Bay is showing encouraging signs of rebounding but is still in critical condition as a result of pollution. The numeric index of the Bay's health jumped three points from 2008 to 2010, with eight of 13 indicators rising. The indicator for the health of the blue crab population spiked 15 points, as the Bay's population increased significantly last year. Also, underwater grasses showed steady progress for the fourth year in a row. But the overall health index of the Bay is 31 out of 100, which means it is still a system dangerously out of balance. Click on the link below to read the State of the Bay Report. <http://www.cbf.org/Document.Doc?id=596>

Preserving Land Key to Restoring Chesapeake Bay, According to New Report

The report, *Conserving Chesapeake Landscapes: Protecting Our Investments; Securing Future Progress*, recommends six actions to accelerate progress conserving land throughout the Chesapeake Bay watershed. The Chesapeake Bay's land-to-water ratio of 14:1 is the largest of any coastal water body in the world. This means that what we do on the land has a significant effect on the health of the Bay. Chesapeake Bay Program partners have surpassed their original Chesapeake 2000 goal of permanently preserving 20 percent of the watershed's land. New goals have been set to conserve two million acres of land and create 300 public access points. Virginia has set a separate goal to protect 400,000 acres of land by 2014. To achieve these new goals, the government and private sector need to maintain the pace of conservation set during the past decade, when Maryland, Pennsylvania and Virginia protected 1.24 million acres of land, according to the report. The report states that there is a large and untapped potential for conserved lands to contribute to pollution limits established under the Chesapeake Bay TMDL. For example, if two million acres are conserved in targeted areas and conservation practices are established on those acres, several million fewer pounds of nitrogen could reach the Bay each year. To achieve the greatest benefit for the Bay's health, the report recommends that land conservation efforts follow six main principles:

- Focus on "working lands": farms and forests
- Maximize water quality benefits
- Enhance public access
- Strengthen state, local and non-profit land conservation programs
- Expand federal land conservation investments
- Support the emerging role of the private sector in ecosystem markets

Visit the Chesapeake Bay Commission's website for more information about the land conservation report.

<http://www.chesbay.state.va.us/landconservation.html>

Bay out of Balance – Broken System Allows Phosphorus Pollution to Worsen

Year after year, vast amounts of pollutants pour into Chesapeake Bay, fouling the largest estuary in the United States and ultimately creating large dead zones in waters that once teemed with life. For decades, many have lamented the decline in the bay's health, but efforts to stop the ongoing damage and restore this once-pristine jewel have so far been largely fruitless. The three major culprits are phosphorus, nitrogen and sediment, which come from many sources in the six-state watershed. But of the three, phosphorus contamination is uniquely the result of largely unregulated human activity — farming. Agriculture, especially poultry, is the source for 45 percent of the phosphorus that flows from fields into creeks and streams and ultimately into the bay. Farmers apply phosphorus-rich manure, fertilizers and sewage sludge to their fields to support their crops — and as a way to cheaply and conveniently dispose of manure and sludge. New EWG research shows that in many cases, these applications fall on soil that already holds more than enough of the nutrient to satisfy plants' needs. In some counties, up to 80 percent of soils tested have excessive amounts of phosphorus, and this excess constantly washes into local waterways and the bay. EWG's research developed a county-by-county accounting of where the most phosphorus-overloaded soils are located and revealed major weaknesses in the way that state agricultural agencies try to monitor and control the problem. In part because of these inconsistencies and regulatory gaps, phosphorus contamination of the bay continues unabated. Read EWG's latest research on this threat to Chesapeake Bay and find out about the three urgent steps that we believe state and federal officials must take to turn around this alarming situation.

http://static.ewg.org/reports/2010/bayoutofbalance/pdf/bay_out_of_balance_full_report.pdf

EPA Issues Final Chesapeake Bay TMDL

The U.S. Environmental Protection Agency last week established a final [TMDL watershed plan](#) to restore clean water in Chesapeake Bay and the region's streams, creeks and rivers. The TMDL is driven primarily by jurisdictions' plans to put all needed pollution controls in place by 2025 and EPA will hold jurisdictions accountable for results along the way. The pollution diet, formally known as the Chesapeake Bay Total Maximum Daily Load (TMDL), identifies the necessary reductions of nitrogen, phosphorus and sediment from Delaware, Maryland, New York, Pennsylvania, Virginia, West Virginia and the District of Columbia. The TMDL is shaped by an extensive public and stakeholder involvement effort during the past two years, coupled with detailed plans by jurisdictions for how they will achieve pollution reductions. To address deficiencies [in draft plans](#) submitted by jurisdictions in September, EPA worked closely with the jurisdictions during the past several months. As a result of this cooperative work and through strong state leadership, the final plans were significantly improved. EPA was able to reduce and remove most federal backstop measures that were in the draft TMDL, while still maintaining rigorous accountability through enhanced oversight and the availability of contingency actions. The result is a TMDL that is primarily shaped by the jurisdictions' plans to reduce pollution, which has been EPA's goal from the outset. Read more... <http://www.epa.gov/chesapeakebaytmdl/>

A Cleaner Route to Economic Recovery – Save the Bay, save the real estate market?

It may sound illogical. But in fact, clean water can increase by as much as 25 percent the value of single family homes up to three-quarters of a mile from the water's edge, according to a report by the Environmental Protection Agency. Think about that for a moment. The implication is that hundreds of thousands of homes in the Chesapeake Bay region have their value suppressed right now by not only the recession, but also by water pollution. So cleaning up the Bay could be an important way to pour life back into the region's economy. A new report by the Chesapeake Bay Foundation gives examples like this that illustrate why it is critical for the U.S. Environmental Protection Agency to move

ahead with the creation of strict pollution limits for the Bay area states as part of a pollution “diet” (or Total Maximum Daily Load) for the Chesapeake. Report <http://www.cbf.org/Document.Doc?id=591>

Biennial DEP Report Shows 80 Percent of Streams, Rivers Attaining Use Designation—Challenges Remain

HARRISBURG – Although Pennsylvania has made great progress in cleaning up its rivers, streams, lakes, wetlands and other water bodies, Department of Environmental Protection Secretary John Hanger said that a new report submitted to the federal government today shows there are still challenges threatening Pennsylvania’s water quality. The report, entitled “2010 Pennsylvania Integrated Water Quality Monitoring and Assessment Report,” is submitted to the U.S. Environmental Protection Agency in accordance with the Clean Water Act, which requires each state to assess water quality within its borders. Pennsylvania has classified approximately 3,300 miles of streams as exceptional value and another nearly 23,000 miles as high quality, ensuring the most stringent protections. He added that earlier this year, the state enacted a mandatory 150-foot buffer from all development along these most pristine waterways. According to the report, 68,320 miles of the state’s 84,867 miles of streams and rivers—or 80 percent—that are assessed for aquatic life use are attaining that water use. Of the impaired miles, 9,413 require development of a total maximum daily load, or TMDL, to reduce pollutant inputs and 6,105 have an approved TMDL. An additional 65 miles are under compliance agreements and are expected to improve within a reasonable amount of time. In terms of potable water supplies, 2,762 of the 2,883 stream miles assessed for potable water supplies attained that use, while 107 miles required a TMDL and 14 miles had an approved loading plan in place. Lake potable water supply use was assessed for 44,933 acres with 44,921 attaining that designation and 12 impaired acres requiring a TMDL. Other findings include:

- 39,301 acres of the 76,483 acres of lakes that are assessed for aquatic life are attaining that use. Of the impaired acres, 5,349 require a TMDL, 11,290 have an approved TMDL, and 20,543 acres are impaired but do not require a TMDL because they are not affected by pollutants.
- 1,397 stream miles are assessed for recreational use, but only 701 are attaining that designation. There are 688 impaired miles requiring a TMDL and 8 miles with an approved TMDL in place.
- Lake recreational use was assessed for 79,040 acres with 73,928 attaining, and 5,112 impaired acres requiring a TMDL. This does not include the state’s portion of Lake Erie, which is impaired due to beach closings because of bacteria.
- Of the 4,337 stream miles assessed for fish consumption, 1,907 are impaired and have consumption advisories. Of the impaired miles, 712 have TMDLs.
- 58,295 acres of lake were assessed for fish consumption and 44,353 of those acres are impaired and have fish consumption advisories, while 5,483 of those impaired acres have TMDLs. The state portion of Lake Erie is not included in the totals, but a fish consumption advisory is in effect for the lake.

The report found that Pennsylvania’s water bodies are facing threats from a variety of industries and are subject to many different types of pollutants. Sources of pollution include agriculture, stormwater runoff, land development, sewage treatment plants, and atmospheric conditions. Some of the pollutants of concern include nutrients, suspended solids, silt, metals and total dissolved solids (TDS).

The Clean Water Act requires all states to submit a 303 (d) list to the EPA for approval every two years. States must identify waterways that require additional pollution controls to attain or maintain applicable water quality standards. Waters must be ranked to take into account uses and the severity of the pollution problem. Most notable among those recommendations was the Monongahela River in western Pennsylvania, which is listed on the draft list as impaired because of concerns over sulfates—a constituent of TDS. For more information, visit

www.depweb.state.pa.us. Editor’s Note: To view the full report, visit

http://www.portal.state.pa.us/portal/server.pt/community/water_quality_standards/10556/integrated_water_quality_report_-_2010/682562

Working for Cleaner Water

York College students and faculty will be initiating a five-year ecology study on the shores of Lake Redman, William Kain Park, starting in 2011. This study will explore what plant covers provide the best protection for local waters. The study will be funded by a \$35,000 grant from the Department of Agriculture. The site will be near the boat rental area in Kain Park. By measuring runoff from three two acre study plots, an understanding of how best to protect local waterways will be established. The entire program will be overseen by a newly formed Wecology Committee with representatives from local businesses — Strathmeyer Forests, Inc., Glatfelter Pulp Wood Company, and The York Water Company — along with the Parks Department and York College. The three sites will be partitioned and each will have different dominant cover vegetation planted: conifers, hardwoods and grasses. Work on clearing what was a non-native, invasive dominated study area has begun (photo below). Results of this study will be presented to local groups as well as at professional meetings. By quantifying phosphorus, nitrogen, and sediment in runoff that occurs with each cover vegetation, the study will provide techniques that can be replicated elsewhere in the watershed and facilitate cleaner water in York County and beyond.

Rain Gardens For The Bays Reduce Stormwater Pollution

Rain Gardens for the Bay Campaign (<http://www.raingardensforthebays.org/>) is a voluntary partnership promoting a healthier bay by encouraging the creation of rain gardens including in backyards, school campuses, town halls, libraries, and local businesses. Rain gardens are a cost effective way to capture rain water, reduce pollutants in stormwater runoff, create habitats and prevent flooding. Visit EPA’s Healthy Waters Blog for more ideas <http://blog.epa.gov/healthywaters/2010/12/themes/backyard/rain-gardens-for-the-bays-campaign/>

TURN YOUR CHRISTMAS TREE INTO A REAL GIFT!

The York County Solid Waste Authority is conducting a free Christmas tree recycling program for all York County residents. The program starts December 27, 2010 and continues through January 31, 2011. York County residents may bring their Christmas trees to the Authority’s Yard Waste Transfer Facility seven days a week during daylight hours. There is no fee to residents to deliver Christmas trees to the Yard Waste Transfer Facility. PLEASE REMOVE: ornaments, tinsel, lights and protective bags from your tree. Many municipalities now offer curbside Christmas tree collection for their residents. Call your municipal office to see if your municipality offers a curbside collection program. Dedicated loads of Christmas trees collected in municipal programs will be accepted at no charge during regular business hours at the Authority’s Yard Waste Transfer Facility. Trees collected at the Yard Waste Transfer Facility will be shipped off site to an end user. This is the 22nd year the Authority has conducted a Christmas tree recycling program. The Authority facilitates responsible solid waste management through an integrated strategy that emphasizes waste reduction, education, recycling and resource recovery. The Authority is the owner of the

York County Resource Recovery Center in Manchester Township; and owns and operates a Yard Waste Transfer Facility, a Recyclable Materials Drop-off Center and an Education Center. Directions to the Yard Waste Transfer Facility: From I-83: Proceed on I-83 to Exit 21 (old exit 9--Arsenal Rd/Rt.30E). As you come off the exit ramp, get immediately into the far left turning lane and proceed to stoplight at intersection of Toronita Street and Rt. 30E (you will see the "Round the Clock Diner" and a Bob Evans Restaurant at this intersection). At the stoplight, turn left onto Toronita Street (Toronita turns into Blackbridge Road). Proceed approximately 2 miles to Flour Mill Road. Turn right on Flour Mill Road, the Yard Waste Transfer Facility will be on your right.

Winter 2011 Environmental Programs at Holtwood

DATE	PROGRAM	LOCATION*	TIME
Sat., Jan. 29	Native American Life in the Susquehanna River Basin Part 1 Part 2	HEC	1-2:30 p.m. 3-4:30 p.m.
Sat., Feb. 26	Basic Boating Safety Course Registration required by Feb. 20	HEC	9 a.m. to 5 p.m.
Sun., March 6	Eagles in their Habitat	L12	2-3:30 p.m.

* Location Code: HEC – Holtwood Environmental Center L12 – Lock 12

For more information, please visit our website at www.pplpreserves.com,
call 1-800-354-8383 or e-mail pplpreserves@pplweb.com.

For information on the current river conditions, call the Lower Susquehanna Hot Line at 1-800-692-6328.

Winter 2011 Environmental Programs at Brunner Island

DATE	PROGRAM	LOCATION*	TIME
Wed., Jan. 12	Fishing the Susquehanna Advanced registration required by Jan. 9	CR	7-8:30 p.m.
Tues., Feb. 8	Day One of the Battle of Gettysburg Advanced registration required by Feb. 3	CR	7-8:30 p.m.
Sat., March 5	Basic Boating Safety Course Advance registration required by March 1	CR	8 a.m. to 4 p.m.

* Brunner Island: CR – Main Conference Room, Gate A

For more information, please visit our website at www.pplpreserves.com,
call 1-800-354-8383 or e-mail pplpreserves@pplweb.com

Winter Sale of Large Native Trees

Sylva Native Plant Nursery & Seed Company is having a winter sale of large native tree species. Many species to chose from. Large affordable native trees for your home and work place. Limited quantities. To obtain a list of this offering contact SYLVA NATIVE NURSERY & SEED COMPANY 3815 Roser Road, Glen Rock, PA 17327. Web: www.sylvanative.com. E-mail: sylvanat@aol.com. Phone: 717-227-0486. Fax: 717-227-0484.

De-ice the Bay-friendly Way

Apply only the recommended amount of de-icer to your steps and driveway this winter. Scrape off as much ice and snow as you can, then apply a handful (1/2 cup) of rock salt per square yard of hard surface. Otherwise, salt can run off your property and pollute local streams and the Bay.



WATERSHED FINANCIAL ASSISTANCE

USDA Seeks Proposals for Multiple Funding Opportunities – Jan 28 & 31

The U.S. Department of Agriculture is seeking proposals for new conservation projects for the Chesapeake Bay watershed and others through the following programs:

- Jan 31 CCPI: USDA has made \$3.5 million in financial assistance available in Fiscal Year 2011 for single-state and multi-state partnership projects addressing natural resource concerns within six Chesapeake Bay Watershed states (Delaware, Maryland, New York, Pennsylvania, Virginia and West Virginia). Financial assistance will be available through CCPI. All eligible parties should submit applications by January 31, 2011. For more information, click here http://www.nrcs.usda.gov/news/releases/2010/ccpi_chesapeake_12.16.10.html.
- Jan 28 AWEP: USDA will also be accepting project proposals for the Agricultural Water Enhancement Program (AWEP). Proposals should include projects that conserve and import water quality, use irrigation water efficiently and/or mitigate the effects of drought and climate change. Proposals are due by January 31, 2011. For more information, click here <http://www.nrcs.usda.gov/programs/awep/>.

PHMC: Deadline Approaches For Historic Preservation Grants – Jan 31

The Pennsylvania Historical and Museum Commission encouraged non-profit organizations and local governments to apply for historic preservation project grants before the January 31 deadline. Two levels of funding are available. Grant awards below \$10,000 do not require matching local funds. If state funding is between \$10,001 and \$25,000, an equal local match is required. Grants are awarded through a competitive selection process and are contingent on availability of funds. Grant applicants are required to use the web-based electronic

application process, eGrant. For guidelines and instructions, visit the PHMC Grants and Funding webpage. Resource:

<http://www.portal.state.pa.us/portal/server.pt?open=512&objID=3748&&SortOrder=200&level=2&parentid=3741&css=L2&mode=2>

Woody Biomass Grants Now Available – Mar 1

The U.S. Forest Service (USFS) is currently accepting applications for Woody Biomass Utilization Grants. Winning proposals could benefit your community by aiding in the development of a new woody biomass boiler at a sawmill, non-pressurized hot water system for various applications at a hospital or school, a biomass power generation facility, or other similar technologies. The funding will help applicants complete the necessary design work needed to secure public and/or private investment for construction. Fifteen grants will be awarded, at a maximum of \$250 each. The projects funded will use woody biomass material removed from forest restoration activities, such as wildfire hazardous fuel treatments, insect and disease mitigation, forest management due to catastrophic weather events, or thinning overstocked stands. The grants are available through the USFS' State and Private Forestry, Technology Marketing Unit, located at the Forest Products Laboratory in Madison, Wisc. For more information, click here <http://www.grants.gov/search/search.do?mode=VIEW&opId=58881>.

FY 2011 Environmental Workforce Development and Job Training Grant Opportunity _ Mar 18

The long-awaited Request for Proposals for the "FY 2011 Environmental Workforce Development and Job Training Grants," formerly referred to as the "Brownfields Job Training Grants," has been posted live and the link is listed below. The deadline for submission of proposals is March 18, 2011. The award amount has increased to a maximum of \$300,000. <http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-01.pdf>

Wildlife Academy Seeks Youth Leaders Energized About Wildlife Conservation – Apr 1

The [Wildlife Leadership Academy](#) is seeking youth from across the state interested in wildlife and conservation to participate in [week long field school programs](#) this summer. Participants study with top wildlife biologists and managers in the state and through the program are empowered to become ambassadors for conservation, completing service and leadership projects in their home communities throughout the year. Applications are now available for the 2011 field schools. Interested students can download an application [by going online](#). This year's application deadline is April 1. PA Drummers will be held at the Powdermill Nature Reserve in Westmoreland County June 21-25. PA Bucktails will be held at Stone Valley Recreation Area in Huntingdon County July 5-9. For more information, contact Program Coordinator Michele Kittell by sending email to: mkittell@picweb.org or call 570-245-8518.

Who is C-SAW?

C-SAW is a consortium of nine partner organizations involved in a wide range of environmental activities. The staff members of these organizations include environmental professionals having expertise in many environmental fields. Technical service providers include:

- Alliance for Aquatic Resource Monitoring (ALLARM) at Dickinson College
- Delaware Riverkeeper Network (DRN)
- Natural Resources Conservation Service (NRCS)
- Pennsylvania Lake Management Society (PALMS)
- Pennsylvania Association of RC&D Councils (RC&D)
- Stroud Water Research Center (Stroud)
- United States Geological Survey (USGS)
- Wilkes University- Center for Environmental Quality and Center for Geographic Information Sciences
- Western Pennsylvania Coalition for Abandoned Mine Reclamation (WPCAMR)

C-SAW assists watershed organizations in three primary areas; technical issues, quality control, and mentoring. Examples of technical areas where C-SAW provides support include help with: monitoring study design and QAPP development, monitoring protocols, restoration projects, strategies for volunteer recruitment and retention, non-point source pollution, mining and natural gas drilling issues, lake and stream assessments and management, GIS activities, and many others. Our quality-control program provides test samples for volunteer monitors, checks results of volunteer-monitoring studies, assists in checking the operation of and calibration of monitoring equipment, and provides checks on macroinvertebrate identifications done by volunteer groups. The mentoring component of C-SAW is intended for watershed groups that need more long-term assistance, often in many areas. Applying to C-SAW is a simple process. Your organization can request C-SAW assistance by filling out a one-page form and submitting the form to your area Resource Conservation and Development Council. The form is available on-line at the C-SAW web site: <http://pa.water.usgs.gov/csaw/>. If you would prefer a paper copy of the application form, call Kent Crawford, U.S. Geological Survey at (717) 730-6909. Because of the support from Growing Greener, C-SAW assistance is free to qualifying watershed organizations. The regional RC&D's help connect watershed groups to the C-SAW Program. Additional details and contact information for the area RC&D Council in your area are available at the web address listed above. If you your group has technical aspects where it needs assistance to better improve or restore the watershed you work within, C-SAW hopes to hear from you. If you have any additional questions about the program, you can call me at (570)282-8732 ext.4 or email at sue@pnercd.org.

Watershed Tool of the Month – <http://water.epa.gov/aboutow/owow/funding.cfm>

Committed watershed organizations and state and local governments need adequate resources to achieve the goals of the Clean Water Act and improve our nation's water quality. To support these efforts, the U.S. Environmental Protection Agency (EPA) has created this web site to provide tools, databases, and information about sources of funding to practitioners and funders that serve to protect watersheds. Search through sustainable finance tools, requests for proposals, and training opportunities. In addition, visit the new [Financially Sustainable Water Infrastructure website](#).



WATERSHED FACILITATION ASSISTANCE

12th Night Celebration and Open House – Jan 5

Wednesday, January 5, 2011, 3pm - 7pm, Zimmerman Center for Heritage, 1706 Long Level Road, Wrightsville, PA 17368. Traditional 12th night refreshments such as wassail and kings cake will be served and guided tours of the home will be offered. Attendees will also have an

opportunity to view the Visions of the Susquehanna river art collection. This event is free to the public. Donations to support the programs and operations of the Susquehanna Gateway Heritage Area are appreciated. Please contact Marie Cartwright, Outreach Coordinator, with any questions. 717-252-0229 ext. 4 or mcartwright@susquehannaheritage.org.

Deadline Extended for Philadelphia Low Impact Development Symposium – Mar 4

Prospective authors are cordially invited to submit an abstract to the Philadelphia Low Impact Development Symposium Technical Committee by March 4th, 2011. This conference brings together three separate organizations into a single venue in the Philadelphia region: the 5th National Low Impact Development Conference, the 19th Annual Nonpoint Source (NPS) Monitoring Workshop, and the 2011 Pennsylvania Stormwater Management Symposium - Sustainable Stormwater and LID. The conference will be at the Loews Philadelphia Hotel on Sept. 25-28, 2011. Registration will open on Sunday afternoon, Sept. 25, followed by pre-conference workshops. The three-day technical program, Monday – Wednesday, will include six concurrent tracks and field tours. Click here for more information... <http://www.stormh2o.com/the-latest/philadelphia-lid-symposium.aspx>

The Chesapeake Bay Stormwater Training Partnership Webcast Series - 2011

The Chesapeake Bay Stormwater Training Partnership is pleased to present the following webcast series to our Partners. If you are not already a Partner, please go to the ENROLL page and become a Partner by providing a little bit of information about yourself and taking a short stormwater survey. In terms of the webcast series, the benefits of being a partner include: Free and reduced cost webcasts; Webcasts packed with information and resources for watershed practitioners and policy makers; Our presenters have a proven track record of delivering subject materials and have consistently received high ratings by past attendees; Earn Continuing Education Credits.

- Design, Installation & Maintenance of Constructed Wetlands & Regenerative Stormwater Conveyance Systems – Wednesday, March 16, 2011 from 12-2 ET. Learn how to boost the performance of constructed wetland designs, and what research is telling us about runoff reduction and pollutant removal rates. You will also be introduced to the “regenerative stormwater conveyance system,” an innovative approach to convey and treat runoff and restore habitats, originally developed as an alternative outfall design for coastal plain sites. \$89
- Ultra-Urban Stormwater Design & Retrofitting Wednesday May 18, 2011 from 12-2 ET – Watershed professionals face many unique challenges when integrating effective stormwater management into our urban landscapes, streetscapes, and other elements of the built environment. This webcast will profile innovative variations of common BMPs applicable to the ultra-urban setting, and will also discuss mitigation or offset fees for sites where full compliance is not possible. \$89
- The Top Actions That Local Governments Can Take To Address Numerical Goals, Such As TMDLs, & WIPs Wednesday July 13, 2011 from 12-2 ET – This webcast will present CWP’s list of top performing (and often overlooked and underappreciated) management practices. We will help you to quantify the benefits of practices such as urban watershed forestry, urban nutrient management, illicit discharge detection and elimination, and large and small retrofits. \$89
- Stream Restoration Wednesday November 16, 2011 from 12-2 ET – Stream restoration is a multibillion dollar industry worldwide. In fact, the increase in use of stream restoration as a watershed management practice has raised questions regarding its effectiveness in meeting overall watershed and project-specific goals. This webcast will get to the root of the issue and present different points of view from academia, watershed managers and stream restoration practitioners. \$89



WATERSHED TECHNICAL ASSISTANCE

Global Rivers Emit Three Times IPCC Estimates of Greenhouse Gas Nitrous Oxide

ScienceDaily (Dec. 27, 2010) – What goes in must come out, a truism that now may be applied to global river networks. Human-caused nitrogen loading to river networks is a potentially important source of nitrous oxide emission to the atmosphere. Nitrous oxide is a potent greenhouse gas that contributes to climate change and stratospheric ozone destruction. It happens via a microbial process called denitrification, which converts nitrogen to nitrous oxide and an inert gas called dinitrogen. When summed across the globe, scientists report this week in the journal Proceedings of the National Academy of Sciences (PNAS), river and stream networks are the source of at least 10 percent of human-caused nitrous oxide emissions to the atmosphere. That's three times the amount estimated by the Intergovernmental Panel on Climate Change (IPCC). Rates of nitrous oxide production via denitrification in small streams increase with nitrate concentrations. Read more... <http://www.sciencedaily.com/releases/2010/12/101220150944.htm>

Recycling and Depolluting the Phosphorus in Livestock Waste

ScienceDaily (Dec. 6, 2010) – Phosphorus is an ingredient in agricultural and household products such as fertiliser, detergents, etc. When released in excessive quantities to the environment, this mineral contributes to the development of algae and micro-organisms that pollute water, thus impacting on fishing, fish farms, swimming areas and drinking water. At Cemagref, scientists are developing a means to recycle the phosphorus present in animal effluents and limit water pollution. The new process may represent a solution for the future, given the depletion of natural phosphorus and the resulting increase in farm operating costs. Read article... <http://www.sciencedaily.com/releases/2010/12/101206093508.htm>

Ocean Acidification Changes Nitrogen Cycling in World Seas

ScienceDaily (Dec. 21, 2010) – Increasing acidity in the sea's waters may fundamentally change how nitrogen is cycled in them, say marine scientists who published their findings in this week's issue of the journal Proceedings of the National Academy of Sciences (PNAS). Nitrogen is one of the most important nutrients in the oceans. All organisms, from tiny microbes to blue whales, use nitrogen to make proteins and other important compounds. Some microbes can also use different chemical forms of nitrogen as a source of energy. One of these groups, the ammonia oxidizers, plays a pivotal role in determining which forms of nitrogen are present in the ocean. In turn, they affect the lives of many other marine organisms. Ocean acidification will have widespread effects on marine ecosystems, but most of those effects are still unknown. This report that ocean acidification decreases nitrification (the amount of nitrogen) is extremely important because of the crucial role of the nitrogen cycle in biogeochemical processes-processes that take place throughout the oceans. Read article... <http://www.sciencedaily.com/releases/2010/12/101220163258.htm>

Zeroing in on Trash - TMDLs for trash drive cleanup efforts in the Los Angeles, CA, region

Wing Tam has always believed the trash pollution problem was something too serious to put off. Tam, who is director of the Los Angeles Watershed Protection Division (WPD) of the Bureau of Sanitation, says he could describe the scene at the Los Angeles River after a typical rainstorm as “a mass of trash.” When the first total maximum daily load (TMDL) regulations for trash in the nation were issued in 2002 for the city of Los Angeles, the Bureau of Sanitation took it as a call to action. The stringent rules required the city to achieve a major reversal in the amount of trash it discharged into the Los Angeles River and nearby Ballona Creek, effectively setting the allowable limit for trash at zero. Read article... <http://www.stormh2o.com/november-december-2010/zeroing-on-trash.aspx>

New Issue of Small Flows Available Online

A new issue of our wastewater magazine, Small Flows, is now available on the National Environmental Services Center website at www.nesc.wvu.edu/smallflows.cfm. Formerly printed and mailed to nearly 47,000 subscribers, Small Flows is now available in an online format only. The fall/winter issue features an interesting variety of articles including a story about “honey buckets” in Alaska, an overview of services provided by university-based extension services, a report about meth labs and their impact on environmental health, information about water-efficient plumbing and how these fixtures can prolong the life of a septic system, and a humorous look at so-called “luxury toilets.” The cover story examines wastewater reuse—an idea, we’re convinced, will gain momentum in the year’s ahead. The National Environmental Services Center – Assistance. Solutions. Knowledge. Contact Mark Kemp, Communications Manager, West Virginia University, P.O. Box 6064 Morgantown WV 26506-6064. Phone: (800) 624-8301 ext. 5523. Web: www.nesc.wvu.edu

PBS Examines Sustainable Communities in Fixing the Future

Fixing the Future profiles people creating the new economy and sustainable ways of living from the ground up. Learn more about their stories and watch video of these local pioneers in action. View <http://www.pbs.org/now/fixing-the-future/community.html>

Sustainable Society Index (SSI) Releases 2010 Update

The SSI has launched the Sustainable Society Index, SSI-2010. The SSI, based on 24 indicators, comprises the three wellbeing dimensions of sustainability in its broad sense: Human, Environmental and Economic Wellbeing. The SSI has been calculated, like the previous editions, for 151 countries. It shows that the world at large has grown in wealth, but that this increase has hardly been used for progress on the way towards sustainability. The overall index slightly increased in the past four years from 5.8 to 5.9. For additional information, visit: <http://www.ssfindex.com/>.

EPA Completes Research to Inform Development of New Recreational Water Quality Criteria

EPA has completed studies that serve as a scientific foundation for developing new or revised water quality criteria for recreational waters, such as lakes, rivers and oceans, by October 2012. EPA’s research studies were focused on predictive modeling, method development and validation, and epidemiological studies. The new or revised criteria will replace the current criteria recommendations EPA issued in 1986 and are to be used by states, tribes and territories in their adoption of new water quality standards. These standards are to protect people who engage in recreational water activities from potential illness associated with fecal contamination in the water. Some of the studies have also been published in professional journals and others are in the process of being submitted for publication. For more information contact Lisa Christ at christ.lisa@epa.gov. The completion notices and reports from the studies are available on EPA’s website at <http://water.epa.gov/scitech/swguidance/waterquality/standards/criteria/health/recreation/index.cfm>.

DEP eNOTICE - Regulation Update

On 12/21/2010, the [EQB](#) took the action noted on the following proposed regulation:

- Dam Safety and Waterway Management Fees – Approved. You will be notified when the approved proposed regulation is published in the [Pennsylvania Bulletin](#) for public comment.

The following proposed regulation was published in the [Pennsylvania Bulletin](#) on 12/25/2010:

- Coal Mining Permit Fees - This proposed regulation is accessible at <http://www.pabulletin.com>. The public comment period closes on 1/24/2011. Comments may be submitted to the Environmental Quality Board at any one of the following addresses: U.S. Mail: EQB, P.O. Box 8477, Harrisburg, PA 17105-8477; Electronically: RegComments@state.pa.us; Street Address: 16th Floor, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17101-2301.
- Adhesives, Sealants, Primers and Solvents. Please access the [Pennsylvania Bulletin](#) for copies of the final regulation. The [Pennsylvania Bulletin](#) is the official version of the final regulation until the regulation is codified in Title 25 of the [Pennsylvania Code](#).

DEP Proposals Currently Open for Comment

Date Published In PA Bulletin	Proposal	Comment Deadline
12/4/2010	Draft Technical Guidance 385-2100-002: Policy and Procedure for NPDES Permitting of Discharges of Total Dissolved Solids (TDS) Note: This draft has been withdrawn and will be republished at a future date with a 30-day comment period.	TBA
12/25/2010	Draft NPDES Pesticides General Permit (PAG-15) PA Bulletin Notice	1/24/2011
12/25/2010	Policy for Development and Publication of Technical Guidance (DEP ID: 012-0900-001) PA Bulletin Notice	1/24/2011