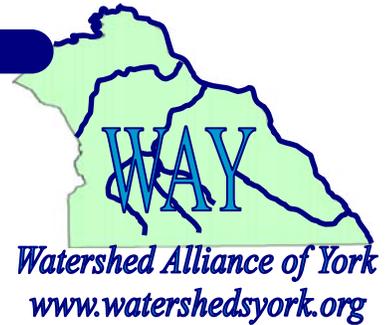


WAY E-NEWS

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



February 2, 2009

A PUBLIC-PRIVATE PARTNERSHIP

Volume 9, Issue 3

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- Experts Share Proven Techniques About Stormwater Management
- Commonwealth of PA: Bulletin Vol. 39
- DRAFT TECHNICAL GUIDANCE DOCUMENTS AVAILABLE

WATERSHED CONTACTS**COMPREHENSIVE 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

EMERGENCIES – (800) 541-4741

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

ENVIRONMENTAL – (877) 333-1904

- Air Pollution from burning materials other than household garbage
- Illegal dumping of wastes
- Encroachment on surface waters and floodways
- Groundwater contamination
- Industrial sewage problems
- Mining/quarrying operational problems (800) 541-2050
- Pollution of water supply wells
- Underground storage tank failures

FISHERIES – (800) 541-2050

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

GAME & WILDLIFE – (888) 742-8001

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

ILLEGAL DUMPING – (877) 772-3673

- Illegal dumping on state forest and park lands

MUNICIPAL (Phonebook Blue Pages)

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

NOXIOUS PLANTS – (717) 772-5209**RECYCLING – (717) 845-1066****WETLANDS – (717) 249-2522**

WATERSHED ALLIANCE NEWS

Alliance for Aquatic Resource Monitoring (ALLARM) – www.dickinson.edu/allarm

<> Jinnie Woodward, Assistant Director, woodwarj@dickinson.edu or 717.245.1021. ALLARM Phone: 717.245.1135 fax: 717.245.1971

Alliance for the Chesapeake Bay – www.alliancechesbay.org/

- Join the growing Chesapeake Watershed Network – www.chesapeakekenetwork.org/profile.htm?mode=getagreement .

<> Contact: Donna Morelli, Director Pennsylvania Office, 3310 Market Street Suite A, Camp Hill, Pennsylvania 17011. Phone: (717) 737-8622

Fax: (717) 737-8650. E-Mail: acbpa@acb-online.org

American Chestnut Foundation – Pennsylvania Chapter – www.acf.org

<> PATACF Penn State University, 206 Forest Resources Lab, University Park, PA 16803. Ph: 814-863-7192. E-mail: mail@patacf.org.

American Rivers – www.americanrivers.org

<> Contact: Sara Dueling, Associate Director, Restoring Rivers Initiative, American Rivers, Pennsylvania Field Office, 355 N. 21st Street, Suite 309, Camp Hill, PA 17011. Phone: 717.763.0741

Brunner Island/Holtwood Nature Preserve – www.pplpreserves.com

- Winter 2009 Environmental Programs – For more information, please call 717-284-6274 or e-mail pplpreserves@pplweb.com.

<> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272.

Capital RC&D – www.capitalrcd.org

<> Contact: Susan Parry, Coordinator, Capital RC&D Area Council, 4750 Lindle Road, Harrisburg, PA 17111. Phone: (717) 724-0009.

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

- Do You Know Of An ILLEGAL DUMPSITE? http://www.pacleanways.org/enf_mainillegaldumpsurvey.html
- Cleanup tire disposal? Call Mahantango Enterprises in Liverpool (Perry County). They have pick up service. Contact Denise at 717-444-3788.

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

Codorus Creek Improvement Partnership – www.codoruscreek.com

- Feb 26 – Next meeting, 7:00 PM, at 324 W. Market St., York, PA.

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

info@codoruscreek.com

Codorus Creek Watershed Association – www.codoruscreek.net

- Apr 13 – CCWA Member and Board meeting, 7:00 pm, at York Water Company's Mt. Rose Ave. Facility
 - May 18 – 10th Annual Meeting
 - HELP-Buffers Program accepting applications for 2009 projects
- <> Contact: Jim Leaman at 843-2929

Codorus Endowment Implementation Committee

- If your municipality or organization would like to partner on a project, sponsor a project, or need free technical assistance leveraging resources to implement a project the York County Community Foundation's Codorus Endowment can help.

<> Contact: Jake Romig, Coordinator, 848-4717 or e-mail jakeromig@ecoconstructionllc.net

Condoquinet Creek Watershed Association – www.conocreek.org

<> Contact: Gilbert Freedman, 49 Sample Bridge Road, Mechanicsburg, PA 17050. H: 717-697-2513. E-mail: gil491@verizon.net

Conewago Canoe Club – www.conewagocanooclub.org

- Mar 5 – Next meeting of club, 7:00 pm, at Mount Zion United Church of Christ at Ridgewood Road in Pleasureville.
- Check web site for pool schedule and other activities

Deer Creek Watershed Association – www.harfordcountymd.gov/PlanningZoning/WRAS.

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

Eden Mill Nature Center & Historic Mill - www.geocities.com/edenmillcalendar/EDENMill_New_W/Main_Indexx.html

- Since 1991, we have been inspiring people to care about the environment by providing experiences that lead them to understand their connection to the natural world. Hours: Monday-Friday, 10:00 am to 3:00 pm

<> Contact Eden Mill Nature Center, 1617 Eden Mill Road, Pylesville, MD 21132. Phone: 410-836-3050

Friends of Codorus State Park – www.friendsofcodorus.org

<> Contact Codorus State Park, 2600 Smith Station Road, Hanover, PA 17331. (717) 637-2816. Warren Werntz, Manager

Friends of Loch Raven Reservoir – FriendsLochRaven@aol.com

<> Contact: Nate Thompson 410-667-9825 (home) or natect@gmail.com

Greater Hanover Alliance - pwingert@legacycaps.com

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

Gunpowder Valley Conservancy - http://www.gunpowderfalls.org/2006/08/sept_16th_join_.html

- Stream Watch - Karen Stupski phone 410-343-3478 or e-mail Karen@heathcote.org.

<> Contact Gunpowder Valley Conservancy, P.O. Box 9733, Towson, MD 21284.

Holtwood Preserve - www.pplweb.com/holtwood

- The Holtwood Environmental Preserve provides lakeside recreational opportunities and facilities for camping, hiking, picnicking, boating, sightseeing, fishing and hunting on more than 5,000 acres on both shores of the lower Susquehanna River in Lancaster and York Counties. The Holtwood hydroelectric plant and Lake Aldred demonstrate the successful combination of power generation, recreation, environmental education and land management.
- WINTER 2009 Environmental Programs - For more information, please call 717-284-6274 or e-mail pplpreserves@pplweb.com. Additional program details can be found on the Calendar of Events at www.pplpreserves.com

<> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272.

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

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

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

<> Contact Lee Irwin 428-9368

Lancaster-York Heritage Region - www.lyhr.org

<> Contact Mark Platt, Lancaster-York Heritage Region, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: info@lyhr.org.

Lower Susquehanna Riverkeeper - www.LowerSusquehannaRiverkeeper.org

Howdy River Folks and Happy New Year! And what a new year it is shaping up to be. We are already working on:

- Hydro-Dam relicensing, reductions in pollution from construction sites
- Documenting and stopping pollution from factory farms
- Researching the causes of Susquehanna fish die-offs, and much more
- Working with the PA Campaign for Clean Water to get the PA DEP to implement new buffer rules for construction sites. This would establish a minimum 100-foot buffer on construction sites adjacent to waterways. Unfortunately, the PA Builders Association has lobbied Harrisburg and turned a good regulation into a give away for the builders that leaves citizens out of any review of runoff impacts from new construction. Click here to get the facts: http://salsa.democracynaction.org/o/2155/t/8631/p/dia/action/public/?action_KEY=457
- Joined other Waterkeepers in filing for a hearing with the MD Department of Environment for their new rules for permitting CAFOs. These new rules allow manure piles to sit in the fields for 90 days with no cover, exposing our waterways to substantial runoff. There are also no protections for streams that are already impaired by the fertilizers and can't handle any more. Check out our website for the filing documents. http://www.lowersusquehannariverkeeper.org/publications/CAFO_HearingRequest.pdf

That's it for now. Keep in touch, and send us your photos of the beautiful ice and migratory birds that are now on the river and streams, or send us photos of manure and sludge being applied on frozen ground. We need to know about both to have a clear picture of what we must do to preserve and improve our beloved Susquehanna. We are in the process of sending our last batch of receipts for 2008. If you have not received your receipt and need it for tax purposes contact us and we will get it to you ASAP. Thanks.

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

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

- 13th Annual Meeting of Maryland's Tributary Teams will be February 7, 2009, at the Maryland Department of the Environment, Montgomery Park Building, Baltimore, MD

<> 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

Mid-Atlantic Ecological Landscapes Partnership [MAEscapes] - <http://york.extension.psu.edu/Horticulture/events.html>

- Apr 20 - MAEscapes Advisory Board meets, 6:30 pm, at the York County ANNEX.

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

Prettyboy Watershed Alliance - www.prettyboywatershed.org

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

Richard M Nixon County Park - www.yorkcountyparks.org/parkpages/Nixon.htm

Great Backyard Bird Count Hikes & Activities - Feb. 13-15

Nixon County Park, 5922 Nixon Dr., York, PA. Special programs for visitors of all ages will be held at the Nature Center during the GBBC weekend. Staff and experienced volunteers will assist new birders in participating in the count. Contact: (717) 428-1961 to pre-register for all the events below.

- February 13: Owl Walk, 7:30-9:30 PM, Rocky Ridge Park, Hidden Laurel Area. Go on a quiet hike while calling for owls. Dress for the weather; program is all outdoors. All children under 16 years must be accompanied by a parent. Only deep red-tinted flashlights allowed. Appropriate for ages 10 and up. Call to pre-register.
 - February 14: Birding with Bagels, 8:30-10:00 AM, Nixon Park. Enjoy a walk along the trails of Nixon Park to search for winter birds with Park volunteers Robin Smith and Anne Muren. Dress for the weather and bring binoculars and field guides. Participants can enjoy coffee and bagels at the Nature Center after the walk. Recommended for ages 12 and up. Call to pre-register.
 - February 14: Greenway Hike & Bird Bingo, 10:30 AM-1:30 PM, Nixon Park & Hollow Creek Greenway. Explore, learn, and compete on this 3.5-4.0 mile hike on Hollow Creek Trail, York County's newest greenway. Park naturalists Patti Chamberlin will lead this winter hike looking and listening for wildlife active during the winter. Great for the whole family, best for ages 8 and up. Call to pre-register.
 - February 14: Bluebird Box Workshop, 2:00-3:30 PM, Nixon Park
Badges: Brownies: Eco-explorer (6); Juniors: "Doing" Hobbies (1,3,8,9,10); Webelos: Craftsman (2). Participants will be introduced to the interesting behavior of the Eastern Bluebird and can make a bluebird-nesting box to take home. Staff will also be introducing other cavity nesters and the importance of nesting cavities to your local habitat. This is a great activity and program for kids and parents to do together. \$8 fee. Call to pre-register.
 - February 15: On the Wing, 1:00 and 3:00 PM, Nixon Park. The Maryland Zoo presents an educational, entertaining and interactive program about the earth's amazing bird diversity featuring live birds such as raptors, penguins, kookaburras, ducks, etc. Amazing adaptive behavior of these fascinating birds from all over the world will be demonstrated. Don't miss this program! Call to pre-register.
- <> Contact Richard Nixon County Park, Nixon Dr, York, PA 17407. Phone 717-428-1961.

Shenk's Ferry Wildflower Preserve - www.pplweb.com/holtwood/things+to+do/shenks+ferry+wildflower+preserve.htm

- Shenk's Ferry Wildlife Preserve is one of the most impressive wildflower areas in the eastern United States and certainly one of the most popular natural locations in Lancaster County. PPL takes pride in preserving the glen as a wildflower sanctuary. Located just north of Pequea Creek Campground off Shenk's Ferry Road, you can see a variety of spring wildflowers. At least 73 species of flowers bloom from mid-March until the end of May. More than 60 other species of flowers bloom during the summer and fall. Some of the more common flowers include Dutchman's breeches, wild geranium, wild ginger, Virginia bluebells, mayapple, trillium and spring beauty.
- <> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272.

Shank's Mare "Go Play Outside" - www.shanksmare.com

- Check our calendar of events link to our Website at for more information or call us toll free at 877-554-5080. All programs require advance registration and payment. "Member" rates are offered to our Adventure Club participants (\$25/year/household dues give a 10% in-shop discount, 5% additional discount on sale items, and "Member" rates on all programs).
- <> Contact: Liz Winand at 2092 Long Level Road, Wrightsville, PA 17368. Call Toll Free: 877-554-5080. Fax: 717-252-0403. Email: shanksmare@comcast.net

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

<> Kim Anderson at sgfornyc@aol.com.

Spoutwood Farm CSA - www.spoutwood.com

Spoutwood Farm Center, Inc., a 501(c)(3) non-profit educational and community-supported agriculture farm in Glen Rock, PA (southern York County), is seeking highly motivated, highly qualified applicants for the following work-and-learn positions:

- Two (2) Senior Apprentices/CSA Manager Trainees.
- Two (2) CSA Associate Apprentices.
- CSA Interns (number variable).

For all positions, a sense of dedication, commitment, and enthusiasm is essential. So is a sense of humor, and a willingness to adjust/adapt to rapidly changing circumstances and unexpected challenges. Note that all positions involve sometimes hard physical labor, usually outdoors, in a wide range of weather conditions! Willingness and ability to work well with others, including one's fellow apprentices & interns, permanent Spoutwood staff, CSA shareholders, and the general public is vital.

<> Contact: www.spoutwood.com or contact: Rob Wood, 717-235-6610, Spoutwood@supernet.com

Strawberry Hill Nature Center - <http://www.strawberryhill.org/>

- Strawberry Hill Nature Preserve is a private nonprofit education and conservation institution located in the beautiful Blue Ridge Mountains of Pennsylvania. Strawberry Hill's mission is to connect our community with the natural world by **teaching**, inspiring, and promoting environmental stewardship. The 609-acre preserve features a variety of habitats to explore, including wet and dry woodlands, three ponds, two pristine mountain streams, and much more. Strawberry Hill's hiking trails are open to the public daily, from dawn to dusk. Our Nature Classroom is open when staff are on site. If you would like to visit our exhibits, please call ahead.
- <> If you have questions, we hope you'll email us info@strawberryhill.org or give us a call at (717) 642-5840. You can also fax us at (717) 642-5803.

Susquehanna Sustainable Business Network - <http://www.susquehannasbn.org/>

<> Contact: Lydia Sadauskas, Executive Director, ssbn can be reached by...email: info@susquehannasbn.org, phone: 877-500-6552, mail: Susquehanna Sustainable Business Network, P.O. Box 42, Marietta, PA 17547

Susquehanna River Basin Commission - www.srbcc.net

<> Contact Susquehanna River Basin Commission, 1721 N. Front Street, Harrisburg, PA 17102. Phone: (717) 238-0423. Fax: (717) 238-2436. Email: srbcc@srbcc.net

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

- Feb 11 – Chapter meeting, 7:00 pm, Gander Mtn., York.
- <> Contact: Tom Finenze at 840-1372 or tom@codorustu.org

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

- Feb 18 – General Meeting 7:00pm at the Collinsville F&G Club.
- <> Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

U.S. Geologic Survey – Pennsylvania - <http://pa.water.usgs.gov/>

- Consortium for Scientific Assistance to Watersheds (C-SAW) is a team of specialists who provide eligible watershed groups or local project sponsors Program Management and Scientific Technical Assistance through the Pennsylvania Department of Environmental Protection's (PADEP) Growing Greener Program. The service is at no cost to eligible groups. <http://pa.water.usgs.gov/csaw/>
- <> Contact: Michael Langland, langland@usgs.gov.

Watershed Alliance of Adams County - www.adamswatersheds.org/pages/5/index.htm

- Feb 18 – Members meet, 4:30 pm. at the Adams County Ag Center, Gettysburg
- <> Contact: Michelle Kirk 717-677-4628 or email at: mkirk@adamswatersheds.org

Watershed Alliance of York - www.watershedsyork.org

- Apr 1 – Next Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.
 - WAY E-News is 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 (1,000+). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
 - www.goodsearch.com and be sure to enter WAY as the charity you want to support.
- <> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: gpeacock@yorkccd.org

Yellow Breeches Watershed Association - www.ybwa.org

- YBWA meetings listed on web site.
- <> Contact: John Eby, President, at john_eby@lower-allen.pa.us

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

- <> Contact 717-428-3673; liriiodendron@netzero.net

YorkCounts - yorkcounts.org

York County - www.york-county.org

- <> Contact the Board of Commissioners, Administrative Center, 28 East Market St. York, PA 17401-1588. Phone: 717-771-9964.

York County Agriculture Land Preserve - www.york-county.gov

- <> Contact Patricia McCandless, Director, 118 Pleasant Acres Road (Suite F), York, PA 17402. Hours of Operation (for business office): 8:00 a.m. - 4:30 p.m. Phone: 717-840-7400. E-mail: PMcCandless@york-county.org

York County Community Foundation - www.yccf.org

- Please join us in welcoming Bob Newcomer as our Interim President, effective January, 2009. Bob will replace Susan Barry, who is leaving the position this month.
- <> Contact Jane Sload at 717.848.3733 or jsload@yccf.org.

York County Conservation Alliance - www.yorkcountyconservationalliance.org

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

York County Conservation District - www.yorkccd.org

- Feb 13 – District Board of Directors meeting, 11:00 am, at ANNEX
 - GIVE A GIFT THAT KEEPS ON GIVING, HELP A STREAM! Affordable, high quality, pest safe Rain Barrels for sale—60 Gallon \$125 or 80 Gallon \$145. Sales tax included in price. All profits dedicated to funding the HELP-Streams Program of York County.
- <> Contact Mark Kimmel, District Manager, 118 Pleasant Acres Road, York, PA 17402. Phone: 717-840-7430. E-mail Yorkccd@yorkccd.org. Office hours: 8:30 AM-4:30 PM weekdays.

York County Planning Commission - www.ycpc.org

- Feb 3 – Next Meeting of Planning Commission, 7:30 pm, York County Administrative Center, City of York, PA
- <> Contact: 717-771-9870 or e-mail planner@ycpc.org

York County PSU Cooperative Extension - <http://york.extension.psu.edu/>

- <> Contact Jeff Myers, Director, 112 Pleasant Acres Road, York, PA 17402-9041. Phone: 717-840-7408. Office Hours: 8:00 to 4:30. County Email: YorkExt@psu.edu.



WATERSHED EDUCATION & OUTREACH

River Rules: The Nature of Streams

"The more rivers are studied, the more wonderful their place in the system of nature is found to be. They wash along in every part of their course some share of the waste of the land on the way to the sea. Mountains may tower aloft . . . and the streams and rivers bear off their waste until they are worn away." -From *Physical Geography* by William Morris Davis, professor of physical geography, Harvard University. Published by Ginn & Company, The Athenaeum Press, 1899. A hundred years ago, college students opened intricately lithographed geography textbooks and learned about rivers. A basic understanding of river behavior in different climate zones, geologic settings, and watershed zones came with the territory of higher education. But several things caused rivers to fall out of a common curriculum in the 20th century. Advances in science and technology associated with World Wars I and II drew rivers into the disciplines of engineering and hydrology, where they could be studied quantitatively. By the mid-1950s, the descriptive phase of the late-blooming discipline of geomorphology was drawing to a close because, worldwide, nearly all geomorphic forms and processes had been "discovered" and described. By the latter part of the 20th century, the field had moved into a quantitative mode that was beyond the grasp of intelligent lay people. Read more...
<http://www.erosioncontrol.com/may-june-2000/river-rules-streams.aspx>.

American Rivers Annual Report: 35 Years in the Making

2008 marked the 35th anniversary of American Rivers, and it was also our most successful year ever restoring rivers. Our newly-released 2008 Annual Report features our major accomplishments, stunning photographs, and our vision for the future. Read...
http://www.americanrivers.org/site/PageServer?pagename=AR7_AnnualReports

Nature Abounds – New Organization!

The mission of Nature Abounds is to educate and empower citizens to sustain their communities through environmental stewardship. To have a larger impact, we hope to bring together groups across the commonwealth as well as the country that have a similar vision, working to support each other and having a stronger voice for issues we care about, such as preserving natural resources. Nature Abounds pledges our support in helping the PaSECs succeed with continuing their projects, whether you need help with supplies, equipment, and chemicals, hosting the PaSEC database, coordinating trainings or refresher trainings, helping you recruit new volunteers, or helping to secure funding to work on current and new projects. The Pennsylvania Department of Environmental Protection's Watershed Protection Division (PADEP) also pledges their support to work with Nature Abounds to continue supporting the PaSECs. You can check out our website at www.natureabounds.org. Of course, you will probably have some questions as well, so I can be reached at either Melinda@natureabounds.org or at 814-765-1453.

Joint Conservation Committee Publishes January Environmental Synopsis

The *January issue of Environmental Synopsis* is now available online at <http://jcc.legis.state.pa.us/> from the Joint Legislative Air and Water Pollution Control and Conservation Committee. This month the Synopsis features articles on radon, brownfields reuse, promoting energy efficiency, source water and infrastructure issues, greenhouse gas reduction and regulating carbon. The Committee also has two special events coming up: February 9 - Environmental Issues Forum on the Susquehanna Greenway Partnership and February 12 the Committee's Forestry Task Force. The Joint Committee chair is Rep. Scott Hutchinson (R-Venango) and the vice-chair is Sen. Ray Musto (D-Luzerne).



WATERSHED FINANCIAL ASSISTANCE

CHESAPEAKE BAY INNOVATIVE NUTRIENT and SEDIMENT REDUCTION PROGRAM – Feb 6

The U.S. Environmental Protection Agency (EPA), Chesapeake Bay Program Office, is announcing a request for proposals for a recipient to develop and implement the FY 2009 CHESAPEAKE BAY INNOVATIVE NUTRIENT and SEDIMENT REDUCTION PROGRAM. This announcement is new and has not previously been distributed. The Chesapeake Bay Innovative Nutrient and Sediment Reduction Program (the Program) is a competitive grant program to support efforts within the Chesapeake Bay basin to vastly accelerate nutrient and sediment reductions with innovative, sustainable and cost-effective approaches. This RFP sets forth the process that will be used for competitively selecting a grant recipient that will develop and implement the Program with the primary task of making competitive subawards to eligible organizations to meet the specified expected environmental results. An estimated \$6 million to \$6.5 million is expected to be available for award under this announcement depending upon funding availability, the amount of FY 2009 funds ultimately received, and the quality of proposals received. EPA plans to award one agreement under this announcement. The EPA will consider all proposals that are postmarked by the U.S. Postal Service, hand-delivered, sent through an official delivery service with documentation indicating EPA acceptance from a delivery service, or submitted via Grants.gov on or before 5:00 EST on February 6, 2009. Any proposals postmarked, hand delivered, or submitted via <http://www.grants.gov/> after the due date and time will not be considered for funding. No proposals will be accepted by facsimile machine submission.

Deadline for H2O Water Infrastructure Grants – Feb 13

The Commonwealth Financing Agency this week established a deadline for applications for funding \$800 million in water infrastructure projects under the H2O PA Program. The deadline is February 13. Applicants should apply for the funding as soon as possible under the Department of Community and Economic Development's single application for assistance process. A total of \$1.2 billion in water infrastructure funding was approved in July by the General Assembly and Gov. Rendell with the passage of Senate Bill 1341 (Musto-D-Luzerne) and voter approval of a ballot question in November authorizing a \$400 million bond issue voter referendum for water, wastewater and stormwater projects and Senate Bill 2 (Earl-R-Erie) establishing the H2O PA Program providing \$800 million in funding for drinking water, wastewater, flood protection and high hazard dam repair projects outside of Allegheny and Philadelphia counties financed by gaming revenue. Water infrastructure funding was supported by the PA Fair Share for Clean Water Coalition to meet stringent new federal and state clean. Eligible projects also include consolidation or regionalization of systems managed or operated as an integrated system. Applicants must

provide matching funds of at least 50 percent of the amount awarded under the program. The H2O Program guidelines and applications are available online http://www.cbf.org/site/PageServer?pagename=pafscw_main.

PennVEST Infrastructure Loans/Grants – Feb 16

The Pennsylvania Infrastructure Investment Authority published revised cutoff dates for submitting applications for water, wastewater, stormwater and other project funding: February 16, 2009 for the April 20, 2009 board meeting
<http://www.pennvest.state.pa.us/pennvest/cwp/browse.asp?A=4>

Foundation for Pennsylvania Watersheds Announces Grant Awards & Application Dates – Feb 20

The Foundation for Pennsylvania Watersheds announced the award of \$132,700 grants that will leverage a total of \$1.2 million dollars. The next round of applications is due February 20 and August 21. The projects will lead to restoration of 800 linear stream miles, restore/protect a 22 acre reservoir, create 1.5 acres of wetland, and complement the \$1,000,000 already invested in the Shoups Run Watershed. To apply for a grant, visit the Foundation for Pennsylvania Watersheds website
http://www.pennsylvaniawatersheds.org/?page_id=20.

PA Announces Availability of New Chesapeake Bay Funding – Mar 1

Craig Dickerson, Pennsylvania State Conservationist, recently announced that Pennsylvania agricultural producers located within the Chesapeake Bay watershed can now apply for special assistance under the new Chesapeake Bay Watershed Initiative (CBWI). Recently authorized in the 2008 Farm Bill, this new initiative offers technical and financial assistance to producers to install agricultural practices to help control erosion, and to minimize excess nutrients and sediments in order to restore, preserve, and protect the Chesapeake Bay. NRCS and local Conservation Districts are urging farmers in the Chesapeake Bay watershed to come in and apply as soon as possible. The first step for producers should be to contact their local NRCS or Conservation District office to request assistance. Applications will be collected and evaluated on a monthly basis, beginning with applications received by March 1, 2009. Follow the links below for additional information. Links: <http://www.pa.nrcs.usda.gov/programs/CBWI/index.html>

AVAILABILITY OF \$58.4 MILLION TO PRODUCERS, ENTITIES THROUGH NEW CONSERVATION PROGRAM – Mar 2

WASHINGTON, Jan. 14, 2009-Agriculture Secretary Ed Schafer today announced that up to \$58.4 million in financial assistance is available to agricultural producers and entities through the Agricultural Water Enhancement Program (AWEP), established in the new farm bill to promote ground and surface water conservation and water quality improvement. USDA is seeking project proposals from potential partners through this program. A Request for Proposals was published in the Federal Register today. Proposals must be submitted by March 2, 2009. The AWEP Request for Proposals can be viewed at the USDA-Natural Resources Conservation Service's (USDA-NRCS) <http://www.nrcs.usda.gov/programs/farmbill/2008/interim-rules.html>. Web site; at the official government regulation <http://www.regulations.gov/search/index.jsp>. Web Site; and at the Federal Register. <http://www.gpoaccess.gov/fr/>.

The Interstate Technology and Regulatory Council (ITRC) requests proposals for 2010 projects – Mar 9

The Interstate Technology and Regulatory Council (ITRC) requests proposals for 2010 projects. ITRC would like to focus proposals on the topical areas below. The areas are listed in alphabetical order, and order does not imply preference. Proposals on other topics will be considered, but preference will be given to those that address one of the following areas.

- Biological drinking water treatment
- Confined animal feeding operations
- Site characterization and remediation
- Greenhouse gas emission tracking and reporting
- Munitions constituents
- Pharmaceuticals and personal care products
- Storm water management

Proposals are due electronically to Anna Willett, ITRC Director (awillett@sso.org) by 5 p.m. Eastern time on Monday, March 9, 2009 using the materials located at <http://www.itrcweb.org/planning.asp>. Only one Microsoft Word file containing the proposal will be accepted (other formats or attachments will not be considered). File size must be less than 5 MB, and the proposal must be printable on a standard black-and-white laser printer. Receipt will be acknowledged by email within 24 hours of proposal receipt. Questions must be addressed in writing to awillett@sso.org. Answers will be provided by email within 24 hours of receipt.

Rivers Conservation Fly Fishing Youth Camp Applications Due – Mar 15

The Rivers Conservation and Fly Fishing Youth Camp is now accepting applications for its 2009 camp to be held June 21-26 at the Allenberry Resort in Boiling Springs, Pa. Applications must be postmarked by March 15. The highly structured curriculum is based on college level classes. The students are instructed in ecology, aquatic biology, geology, hydrogeology, erosion and sedimentation control, ichthyology, riparian corridor protection, watershed management, entomology and much more. Students also participate in a hands-on stream habitat improvement project. For more information or an application brochure contact the camp at the Rivers Conservation and Fly Fishing Youth Camp website <http://www.riverscamp.com/>. Questions can be direct to Matt Lourdeau by sending email to: MLflyfish@hotmail.com. You may also contact the camp by mail at: Rivers Conservation & Fly Fishing Youth Camps Box 71, Boiling Springs, PA 17007

Grazing Assistance Available To Farmers through NRCS – Mar 15

Jana Malot, Pennsylvania Natural Resources Conservation Service's Grassland Specialist, this week reminded farmers that NRCS is continuing to promote grazing systems through their Environmental Quality Incentives Program to help them improve their overall farming operation. To apply, producers should first contact an NRCS Field Office at a USDA Service Center. Applications are accepted by NRCS on a continuous basis throughout the year to evaluate, rank, prioritize, and select applicants. There is no due date to apply; however, applications received early will be given preference for funding by the anticipated mid-March cut off date. Applications will be evaluated on a monthly basis and approvals made on a regular basis as long as funds remain available. Applications that cannot be funded because of a shortage of funds or

lower priority can be retained for up to two years, after which time the producer will need to re-apply. The application and information about EQIP for fiscal year 2009 are available on the Pennsylvania NRCS website <http://www.pa.nrcs.usda.gov/programs/>.

EPA CARE Grants – Mar 16

The 2009 U.S. EPA Community Action for a Renewed Environment (CARE) Cooperative Agreement Request for Proposals (RFP) is now available. The application deadline is March 16. Around \$3 million will be available in 2009 to support community-based partnerships to reduce pollution at the local level through the CARE program. EPA anticipates awarding CARE cooperative agreements in two levels. Level I cooperative agreements range from \$75,000 to \$100,000 and will help establish community-based partnerships to develop local environmental priorities. Level II awards, ranging from \$150,000 to \$300,000 each, will support communities which have established broadbased partnerships, have identified the priority toxic risks in the community, and are prepared to measure results, implement risk reduction activities, and become self-sustaining. EPA will conduct three conference calls in February for prospective applicants to ask questions about the application process, as well as three information sessions via Webcasts in January and February. <http://www.epa.gov/CARE>

WREN Announces 2009 Community Watershed Education Grants now available! –Apr 3

(Harrisburg, PA) - Looking to make a difference in your community? Want to make 2009 a "greener" year in your town by educating and motivating local citizens about ways to protect community water resources from polluted runoff? The Water Resources Education Network (WREN) has funding available up to \$5,000 to help launch community projects. See the terrific projects we've already funded to get some creative ideas at <http://wren.palwv.org/local.htm>. Use these ideas to develop your own project - No need to re-invent the wheel! Grant Applications Due: April 3, 2009. Download Application at: <http://wren.palwv.org/grants/local.html>

PA DCNR Community Conservation Partnership Grants – Apr 22

The PA Department of Conservation and Natural Resources will award Community Conservation Partnership Grants to municipalities for recreation, park and conservation projects. These include the rehabilitation and development of parks and recreation facilities; acquisition of land for park and conservation purposes; and technical assistance for feasibility studies, trails studies, and site development planning. The deadline for grant applications is April 22. The PADCNR, in partnership with the PA Recreation and Park Society, has scheduled a series of eight grant workshops for the Community Conservation Partnership Grant Program. <http://www.dcnr.state.pa.us/brc/grants/>

BMP Challenge Program Expands - 2009

The BMP CHALLENGE program has helped 102 corn producers since 2000 experiment with conservation practices on their farms, without risk to income. BMP CHALLENGE is a collaborative project of the American Farmland Trust (AFT); Agflex; and the IPM (Integrated Pest Management) Institute of North America. The programs work to give farmers an opportunity to test reduced nutrient and tillage rates on their fields. Currently, the program is open to farmers in 15 states including Iowa, Illinois, Indiana, Minnesota, Michigan, Ohio, Pennsylvania, Missouri, Idaho, North Carolina, Nebraska, Florida, Maryland, Delaware and Wisconsin. To participate, farmers must be eligible for EQIP and grow corn for grain or silage. BMP CHALLENGE staff work directly with farmers, through watershed/conservation districts, and with other organizations, to reduce nutrient and sediment outputs to local waterways and educate farmers about BMPs. BMP CHALLENGE partners hope to expand the program into new states such as California and broaden the scope to include other crops, such as soybeans and additional types of corn. <http://www.bmpchallenge.org/>

New Air Quality Initiative Available for Environmental Quality Incentives Program (EQIP) - 2009

The Natural Resources Conservation Service (NRCS) announced a new Air Quality Initiative for Pennsylvania under the fiscal year 2009 Environmental Quality Incentives Program (EQIP). The EQIP Air Quality Initiative provides both technical and financial assistance to farmers interested in improving the air quality of their operation. The financial assistance can include incentive payments for management activities and cost-share for the installation of certain conservation practices. Applications are accepted by NRCS on a continuous basis throughout the year to evaluate, rank, prioritize and select applicants. There is no due date to apply; however, applications received early will be given preference for funding by the anticipated mid-March cut-off date. Follow the links below for additional information.

Links: [Press Release](#) | [Application Info](#)

CWP Technical Capacity Mini-Grants - 2009

With funding from an EPA Targeted Watershed Initiative Grant, the Center for Watershed Protection (CWP) is currently inviting proposals to its Technical Capacity Mini-Grant program, awarding direct assistance and financial support to a wide range of small watershed organizations. Up to ten \$5,000-15,000 grants will be awarded to strengthen the technical capacity of these groups in the area of stormwater and watershed management. These grants may be awarded in the form of direct assistance from CWP staff. Alternatively, mini-grant recipients may also receive cash assistance and tailored information where necessary. Proposals are being accepted on a rolling basis.

<http://www.cwp.org/Calendar/CWPMInigrantsRFP.pdf>



WATERSHED FACILITATION ASSISTANCE

Global Warming Teach-In – Feb 5

Join 1 million American citizens, students, and educators in dialogue on the most critical challenge of our time. Our window for action on global warming is measured in months, not years. Decisions we make—or fail to make—in 2009 will have profound impacts. Global Warming Teach-In February 5, Todd Performing Arts Center, Chesapeake College, 10:00 – 2:00. Keynote Address: Louis A. Codispoti, Ph.D., UMCES, Horn Point Laboratory, "Climate Change Lessons from the Arctic: A Call to Action as We Enter the Anthropocene". For more information: Greg Farley (410) 822-5400 ext. 389.

13th Annual Meeting of Maryland's Tributary Teams – Feb 7

The 2009, 13th Annual Meeting of Maryland's Tributary Teams will be held February 7, 2009, at the Maryland Department of the Environment (MDE), Montgomery Park Building, Baltimore, MD. Registration begins at 8:30 a.m. Register Now: (cut and paste link below) <http://mddnr.chesapeakebay.net/basin/13thmeetingform.cfm>. This year's meeting theme will be "CLOSE TO THE SOURCE: Local Success Stories in Bay Restoration".

Fish & Boat Commission Sets Public Meetings Inviting Comments on Programs – Feb 11

The Fish and Boat Commission will be traveling across the state during the next two months, hosting [a series of public meetings](#) to update local communities about the agency's work while also hearing directly from participants about sporting issues affecting them. The meetings will provide the public an opportunity to meet commissioners and staff and to hear firsthand about the multiple activities we undertake in order to meet our responsibilities and fulfill our mission. There are a lot of projects we do that the public isn't aware of. We want to tell them about how these projects enhance fishing and boating opportunities and how they protect and conserve our aquatic resources. At the same time, the meetings will also allow us to meet our customers, the anglers and boaters who use our services and the resources every day. It's important that we hear from them. The first meetings will be held—February 11 - York Springs Fire Company, 312 Main St., York. Meetings will begin with an informal open house from 6 - 7 p.m., during which the public can meet the executive director, the commissioner representing the district and Commission staff. From 7 - 8 p.m., Executive Director Austen and regional staff will make various presentations, including fisheries updates, habitat projects, outreach and education activities, and boating and access programs. A general discussion and question and answer period will follow from 8 - 9 p.m. For more information, see the formal announcement at http://www.fish.state.pa.us/newsreleases/2009/pr_tour.html.

Nominations Sought for Conservation Heritage Award – Feb 13

HARRISBURG (Jan. 20) – The Pennsylvania Fish and Boat Commission (PFBC) is seeking nominations for the 2008 Ralph W. Abele Conservation Heritage Award, the highest recognition conferred by the agency. Nominations are currently being accepted until Feb. 13. The PFBC established the Abele Award to recognize citizens of Pennsylvania who have made outstanding contributions to the protection, conservation and enhancement of the aquatic resources of the Commonwealth. The award serves as a memorial to Ralph Abele, longtime Commission Executive Director, for his steadfast and courageous work in protecting and conserving our natural resources. Nominations should be submitted to Executive Office, Pennsylvania Fish and Boat Commission, PO Box 67000, Harrisburg, PA 17106-7000. Nominations should be postmarked no later than Feb. 13. The award winner will be recognized at a special ceremony at PFBC headquarters in conjunction with an upcoming Commission meeting.

FREE Webinar – Nonprofit Research and Analysis Tools to Get the Job Done – Feb 18

These days, everyone has to do more with less. With resources stretched to the breaking point, having the tools to work more effectively is critical. GuideStar Premium gives you a cost-effective way to mine nonprofit intelligence more efficiently. Register for this free Webinar to find out how GuideStar Premium can help you meet your professional objectives more easily. February 18, 2009 1 p.m. EST. Space is limited, so please register early. To register: <https://www.livemeeting.com/lrs/8000725774/Registration.aspx?pageName=1t77zps4pg72fmh4>

CREDIT TRADING SEMINARS FOR LANDOWNERS – Feb 19

(Harrisburg, PA) – The Pennsylvania Association of Conservation Districts (PACD), the Pennsylvania Environmental Council (PEC), and the Capital Resource Conservation and Development Area Council (Capital RC & D) are jointly hosting two one-day seminars in State College, PA on February 12, 2009 and in Lancaster, PA on February 19, 2009. The meetings will focus on nutrient and carbon credit trading for interested landowners. INTERESTED LANDOWNERS ARE WELCOME TO ATTEND. PLEASE RESERVE A SEAT BY CONTACTING BRENDA SHAMBAUGH at (717) 238-7223, ext.19 or by e-mail at brenda-shambaugh@pacd.org

PALMS 19th Annual Pond & Lake Management Conference – Feb 25 & 26

PALMS 19th Annual Pond & Lake Management Conference will be held February 25 & 26, 2009, in State College, PA. The Pennsylvania Lake Management Society (PALMS) is a non-profit, citizens' group formed to promote understanding and comprehensive management of lakes and reservoirs and their watersheds. PALMS was created in 1989 as a chapter of the North American Lake Management Society (NALMS). PALMS is recognized as a statewide leading authority with respect to lake and watershed management and restoration. PALMS is probably best known for its highly successful lake and watershed conferences. These conferences are held annually in the fall. In addition, PALMS routinely sponsors and participates in regional workshops throughout the Commonwealth. Recently, PALMS has accepted the responsibility of serving as the state's clearinghouse for lake-related information. To register for the 2009 PALMS Annual Conference, download 2009 Conference Brochure. The registration form is located on page 4 of the brochure. Link: <http://www.palakes.org/>

Housing Summit II – Mar 5

In the fall of 2008, the Housing Task Force of the Healthy York County Coalition, the York County Planning Commission, and the City of York jointly hosted a series of housing workgroups. The Housing Summit will provide a venue for communicating the results of those workgroups to the broader community and provide participants with an opportunity to map out the next steps for implementing integrated, local solutions. March 5, 2009, 7:30 a.m. to 4:30 p.m. Holiday Inn Conference Center of York, 2000 Loucks Road, York, PA. Fee \$25. To register for this program, call the WellSpan HealthSource at (800) 840-5905 or (717) 851-3500. To register by fax, complete the registration form to the right and fax it to HealthSource at (717) 851-1379.

Environmental Excellence Award Nominations Open – Mar 9

HARRISBURG (Jan. 29) – Governor Edward G. Rendell is recognizing businesses and organizations addressing environmental challenges in ways that create new economic opportunities and engage residents in a renewed commitment to investing in their communities. Applications for the 2009 Governor's Award for Environmental Excellence are now available at www.depweb.state.pa.us. The award program is administered by the Department of Environmental Protection.

Center Announces the Launching of our New Webcast Series - April

The Center is proud to announce the launch of our webcast series on watershed and stormwater management. Webcast watchers will recall the participation of Center staff in various webcasts hosted by EPA. Past Center webcasts addressed post-construction stormwater management, stormwater retrofitting, IDDE, and municipal maintenance. The Center will now be hosting our own webcast series beginning in April. Some of the first topics to be covered include municipal pollution prevention and good housekeeping programs, managing your stormwater program in the age of budget cuts, creating a link between MS4s and TMDLs, managing coastal watersheds, better site design, and more! Our 2009 webcast schedule will be published soon. We want your input - please take this very brief survey to tell us about topics you would like to see in a webcast. <http://survey.constantcontact.com/survey/a07e2fvs9bfpzxr7md/start>

Strategic Conservation Using a Green Infrastructure Approach – May 18-22

Strategic Conservation Using a Green Infrastructure Approach will be held May 18-22, 2009 in 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. 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: April 17, 2009. Register: <http://www.conservationfund.org/node/239>.

River Network's National River Rally 2009, Baltimore, MD May 29-June 1

The River Rally is the most widely anticipated training opportunity for river conservation organizations and watershed partnerships in the nation...make that the galaxy. River Network's 10th Annual National River Rally will help grassroots groups harness the power of citizen involvement to protect rivers and build healthier communities and watersheds. The River Rally will bring together hundreds of friends of rivers, water keepers, monitors, watchdogs, stewards, guardians and others involved in watershed protection and restoration. Participants include volunteers, board members, staff members, experienced leaders and new watershed protection enthusiasts. Together, we will celebrate rivers, teach and learn from each other and explore the power of citizen action. River Network: helping people understand, protect and restore rivers and their watersheds. Rally Ho! Contact: Katherine Luscher, River Network, 503.542.8384.

Dates of Note:

- NOW: Registration Is Open <https://rivernetwork.org/rally/rallyreg.php>
- Feb. 20: River Hero Nominations are Due
- March 26: Scholarships Applications are Due

GIS Tools for Strategic Conservation Planning – June 23-26

GIS Tools for Strategic Conservation Planning will be held June 23-26, 2009 in Charleston, SC. This course teaches how to apply GIS tools, methodologies, and analyses to strategic conservation planning using a "Green Infrastructure" approach. This course is targeted to GIS practitioners seeking to advance their skills by applying conservation planning approaches, or those looking to design a green infrastructure network using GIS technology. Registration Deadline: May 22, 2009. Register: <http://www.conservationfund.org/node/670>.

Stream Restoration Workshops – June & July

Department of Agricultural and Biological Engineering, Penn State University Offers TWO Stream Restoration Workshops.

- Workshop I, Stream Morphology, Assessment, and Classification. This 3-day workshop will consist of 2 half-day field exercises/field trips that integrate stream assessment and classification and 2 days of lecture. The basics of streams, their assessment and classification, and why they become impaired will be presented and demonstrated. Restoration funding and regulations will also be covered. Bring boot or waders.
- Workshop II, Elements of Effective Design
This 3-day workshop will consist of 2 half-day field exercises/field trips that integrate sediment transport and stable stream design and 2 days of lecture. Strategies for designing stable streams will be developed, including sediment transport, and restoration and habitat structures. The stream design process will include a case study developed from field collected data. Bring boot or waders. Prerequisite: Workshop I or equivalent.

Don't miss the unique opportunities to develop your stream restoration acumen. Contact Albert Jarrett, Professor of Agricultural Engineering Department of Agricultural & Biological Engineering, The Pennsylvania State University, 209 Agricultural Engineering Building, University Park, PA 16802. Phone: 814-865-5661. E-mail ari@psu.edu.

Canaan Valley Institute's RiverStone Academy – 2009

Course descriptions and online registration are now online. For more details and to register, go to Canaan Valley Institute available at http://www.canaanvi.org/canaanvi_web/events_ed.aspx. CVI offers continuing education units (CEUs) for classes through a partnership with Pierpont Community and Technical College of Fairmont State University. Please contact Paula Worden or call 1-800-922-3601, ext. 223, with any questions about CEUs.



WATERSHED TECHNICAL ASSISTANCE

Declining Male Fertility Linked To Water Pollution

ScienceDaily (Jan. 20, 2009) — New research strengthens the link between water pollution and rising male fertility problems. The study, by Brunel University, the Universities of Exeter and Reading and the Centre for Ecology & Hydrology, shows for the first time how a group of testosterone-blocking chemicals is finding its way into UK Rivers, affecting wildlife and potentially humans. The study identified a new group of chemicals that act as 'anti-androgens'. This means that they inhibit the function of the male hormone, testosterone, reducing male fertility. Some of these are contained in medicines, including cancer treatments, pharmaceutical treatments, and pesticides used in agriculture. The research suggests that when they get into the water system, these chemicals may play a pivotal role in causing feminising effects in male fish.

Earlier research by Brunel University and the University of Exeter has shown how female sex hormones (estrogens), and chemicals that mimic estrogens, are leading to 'feminisation' of male fish. Found in some industrial chemicals and the contraceptive pill, they enter rivers via sewage treatment works. This causes reproductive problems by reducing fish breeding capability and in some cases can lead to male fish changing sex. Senior author Professor Charles Tyler of the University of Exeter said: "Our research shows that a much wider range of chemicals than we previously thought is leading to hormone disruption in fish. This means that the pollutants causing these problems are likely to be coming from a wide variety of sources. Our findings also strengthen the argument for the cocktail of chemicals in our water leading to hormone disruption in fish, and contributing to the rise in male reproductive problems. There are likely to be many reasons behind the rise in male fertility problems in humans, but these findings could reveal one, previously unknown, factor." The research took more than three years to complete and was conducted by the University of Exeter, Brunel University, University of Reading and the Centre for Ecology & Hydrology. Statistical modelling was supported by Beyond the Basics Ltd. The research team is now focusing on identifying the source of anti-androgenic chemicals, as well as continuing to study their impact on reproductive health in wildlife and humans. The research was supported by the Natural Environment Research Council and is now published in the journal *Environmental Health Perspectives*. Adapted from materials provided by University of Exeter, via EurekAlert!, a service of AAAS.

New Test Speeds Triclosan Detection In Water

ScienceDaily (Jan. 24, 2009) — A new test for detecting triclosan should expedite environmental monitoring of the antibacterial agent in rivers, wells and other water sources, according to studies by Agricultural Research Service (ARS) and collaborating scientists. Triclosan's widespread use in household products—from hand soaps and toothpaste to socks and pet shampoos—has led to debate over the chemical's impact on the environment, wildlife, human health and antimicrobial resistance. Existing methods of gathering information on triclosan and its metabolites in the environment are costly to use, require dedicated lab space and necessitate specialized training, according to Weilin Shelver. Shelver, a chemist in the ARS Animal Metabolism-Agricultural Chemicals Research Unit in Fargo, N.D., developed the new triclosan test in collaboration with Jennifer Church, Lisa Kamp and Fernando Rubio, a research team at Abraxis, Inc., of Warminster, Pa. The new test, called a magnetic particle enzyme immunoassay, isn't intended to replace the gas chromatography-mass spectrometry (GC-MS) methods now used, but rather complement them, especially for routine monitoring of triclosan in a large number of water samples. The team evaluated the test by using it to detect triclosan and its derivative, methyl-triclosan, in river water, tap water and sewage samples from three municipal plants in the Red River Basin area shared by North Dakota and Minnesota. River and tap water analyses revealed triclosan and methyl-triclosan levels below 20 parts per trillion (ppt), indicating little contamination of the rivers that supplied the samples. The team's wastewater analysis showed that, before treatment, triclosan levels sometimes exceeded 3,000 ppt, but after treatment, those levels fell below 500 ppt. According to Shelver, the results confirmed other reports indicating that sewage plants' purification steps removed much, but not all, of the triclosan from water before it is discharged into the environment. In addition to correlating well with GC-MS analysis during the study's validation phase, the new test proved sensitive enough to distinguish triclosan from chemically similar contaminants. Adapted from materials provided by USDA-ARS.

EPA's Smart Growth Implementation Assistance Program

The U.S. EPA's Smart Growth Implementation Assistance Program (SGIA) is an annual, competitive solicitation open to state, local, regional, and tribal governments (and non-profits that have partnered with a governmental entity) that want to incorporate smart growth techniques into their future development. Once selected, communities receive direct technical assistance from a team of national experts in one of two areas: policy analysis (e.g., reviewing state and local codes, school siting guidelines, transportation policies, etc.) or public participatory processes (e.g., visioning, design workshops, alternative analysis, build-out analysis, etc.). The assistance is tailored to the community's unique situation and priorities. EPA provides the assistance through a contractor team — not a grant. Through a multiple-day site visit and a detailed final report, the multi-disciplinary teams provide information to help the community achieve its goal of encouraging growth that fosters economic progress and environmental protection. EPA initiated the SGIA program in 2005 with three goals in mind:

- To support communities interested in implementing smart growth policies;
- To create regional examples of smart growth that can catalyze similar projects in the area; and
- To identify common barriers and opportunities for smart growth development and create new tools that other communities can use.

Read more at the resource link below. Resource: <http://www.epa.gov/smartgrowth/sgia.htm>

Removing Market Barriers to Green Development

Removing Market Barriers to Green Development is a report from Northeast-Midwest Institute and the Delta Institute that examines what current market dynamics are inhibiting mass adoption of these practices, and what can and should be done to make green development the convention rather than the exception in the U.S. From the Report: U.S. EPA Region 5 initiated a process to look at market barriers to green development practices, working with its partners the Northeast-Midwest Institute and the Delta Institute. This initiative grew out of EPA's brownfields experience, where we realized that specific adjustments to definitions or processes transformed the market for reusing environmentally impaired land. Similar to the lack of initial acceptance associated with brownfield redevelopment, we believe green development practices can gain wider market adoption if we can remove the barriers and make some key changes. In many ways, these efforts are converging as the focus of many brownfield redevelopment projects are evolving to include green buildings and sustainable redevelopment. This document is divided into three sections. 59 pages (1.6mb); available online as a PDF document at the resource link below. Resource: <http://www.nemw.org/RemovingMarketBarriers2GreenDevReport.pdf>

A Legal Guide to Urban and Sustainable Development for Planners, Developers and Architects

Written by pioneering attorneys in the emerging fields of urbanism and green building, *A Legal Guide to Urban and Sustainable Development for Planners, Developers and Architects* offers you practical solutions for legal issues you may face in planning, zoning, developing, and operating such communities. This 2008 book, featuring authors Daniel K. Slone and Doris S. Goldstein with W. Andrew Gowder, includes a Foreword by Andres Duany. Find information on legal issues related to urban form, legal mechanisms and ways to incorporate good urban design into local land regulation, overcoming impediments to sound urban design practice, and state and Federal issues related to the legal issues of urban design and planning. Read more at the resource link below.

<> Resource: <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0470053291.html>

Experts Share Proven Techniques about Stormwater Management

StormwaterPA is a collaborative effort that highlights stormwater management innovations—and provides developers, municipal officials, and engineers with the tools to transform local runoff problems from unwanted nuisance into beneficial resource. There's no theory here: content is derived from experts working throughout the Commonwealth and provides a new way of looking at solutions that are at work in the field. There's a lot going on in Pennsylvania's Water Quality world and we're trying to do our part to provide you with the tools to help you manage runoff in the most appropriate way. We've got new case studies online, have several new content-sharing partnerships in the works, and are developing interactive elements to ensure you're kept up to date on the expert's opinions and are able to communicate with your peers. In This Issue: Act Now on Buffers! New Case Studies Online, Weigh In on Video Topics, and more.

<> Resource: <http://www.stormwaterpa.org/>

EQB took the noted action on the following final regulation

- Safe Drinking Water Chapter 109 Update – Approved

Notice will be issued when the approved final regulations are submitted to the House and Senate Environmental Resources and Energy Committees and the Independent Regulatory Review Commission (IRRC).

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DRAFT TECHNICAL GUIDANCE DOCUMENTS AVAILABLE

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ID NUMBER	DOCUMENT TITLE	DRAFT DATE	COMMENT BY	CONTACT	PHONE
362-0300-009 PDF File	Reuse of Treated Wastewater Guidance Manual	1/10/2009	2/9/2009	Kevin McLeary	(717) 783-1820
012-0200-001 PDF File	Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Authorizations for Facilities and Infrastructure	11/15/2008	3/2/2009	Denise Brinley	(717) 783-1566

