

## What's New ...

WREN's Source Water Protection Promotion Program goes into high-gear this Fall as Program Manager, Julie Kollar, heads off to Northwestern and North Central PA to present four workshops on the "how to" of Source Water Protection. PA Rural Water Association and Penn State Cooperative Extension will be helping WREN present these workshops. Two workshops will follow in South Central PA in November and later four additional workshops in the Susquehanna Basin. The Susquehanna River Basin Commission will be partnering with WREN in the six workshops in the Susquehanna Basin. WREN will present a total of 16 SWP workshops throughout PA, watch for one near you.

Julie is working with PRWA and DEP to have attendance at the WREN Source Water Protection workshops qualify as "contact hours" for certified operators of water supply systems.

For more information on the SWPP Program, contact Julie Kollar at 267-468-0555 or email

[juliek@voicenet.com](mailto:juliek@voicenet.com)

### Late Breaking News!

Gov. Rendell has sent out appointment letters for the Regional Water Resources committees established by the Water Resources Planning Act (Act 220). Check the DEP website for a listing of the committees' membership.

LWVPA/WREN will be represented by Edie Stevens, WREN Communications Director.

## SOURCE WATER ASSESSMENTS COMPLETED

### -- WHAT'S NEXT?

The September 2003 deadline for completion of assessments of source waters for the over 14,000 public water systems in Pennsylvania is upon us. What's the status of the assessments, what will happen with the information compiled and what happens next are the questions we asked of Pat Bowling of PA DEP and Chuck Kanetsky of US EPA.

The assessment process is winding down, according to Pat. Assessment of source waters for all the surface water supplied systems is complete. Most of this work was done by contractors to DEP including Spotts, Stevens and McCoy, Susquehanna River Basin Commission and the Philadelphia Water Department. The assessment of groundwater systems is being done by DEP and by Penn State University, with PSU using GIS mapping to complete the assessments for very small systems, such as those serving restaurants – the "transient, non-community systems." Some of the groundwater system assessments remain unfinished, but both DEP and EPA expect they will be completed shortly. Chuck Kanetsky of EPA pointed out that with 14,000 public water systems, Pennsylvania is responsible for over half the systems in EPA Region 3. It's been a gargantuan task over the past few years.

### What information is in the Source Water Assessments?

Assessments include: 1) a delineation of the watershed or groundwater area that, if polluted, could contaminate the water supply; 2) a listing of the actual and potential sources of contamination within that

area; and 3) an analysis of how vulnerable the water supply is to pollution sources identified in the contaminant inventory.

### So, what's next?

DEP plans to post summaries of all the assessments on their website, though none have been posted to date. The full reports will only be available to the water suppliers and to DEP personnel. This is a change from the original plan which called for widely sharing this information with the public (at libraries & on websites, etc.). The theory was this information would spur the public to be supportive of, and indeed proactive in, developing protection plans and undertaking protection activities.

### Rethinking due to Sept. 11 attacks

September 11 attacks changed that thinking. Now, it may take a bit more effort to track down the information in your Source Water Assessment as the location, and threats to water supplies will not be released to the general public. Even consumers of the water supply will not be given information on possible threats to their tap water. So the task of protecting drinking water sources has become much more difficult.

### Call for Creativity

Limited availability does not have to mean inaction! The information in the assessment can be a very useful starting point for a protection program. Therefore, WREN recommends persistence to obtain the SWAP information.

Be creative in your search for funds for protection activities. If your water supply is threatened by farming activities in the watershed upstream,

*(cont on p. 2, What's Next)*

## -- What's Next (cont. from p 1)

work with your local farm agencies and Conservation District watershed specialist to find funds to help farmers install Best Management Practices.

Is a Superfund site located in the area that might contaminate your water supply? Look for Superfund \$\$ to help with the cleanup. And if you're interested in protecting the headwaters of your watershed in order to protect the water quality in your streams, then look at the many programs that provide funding for land or conservation easement acquisition.

***DEP Source Water Protection grants will be available for at least one more round, so start gathering the info for your SWP grant now. WREN grants will also continue for at least another year, to help you with the education activities that are the key to successful source water and watershed protection.***

In addition, Clean Water Network is administering an assistance fund called the Community Source Water Protection Initiative which provides up to \$2000 for costs associated with local and regional source water protection activities, including education and planning and implementation of SWP projects. Contact Eddie Scher, Clean Water Network at 202-289-2395 or email [Cleanwaternt@igc.org](mailto:Cleanwaternt@igc.org)

**WORTH A VISIT - The Fairmount Water Works in Philadelphia, one of the first municipal water systems in the United States, has just opened restored buildings as an environmental interpretive center. The center is located between the Philadelphia Museum of Art and Boathouse Row in Fairmount Park and includes an urban watershed exhibit and other displays. The Water Works originally pumped water from the Schuylkill River to city residents. For more information, call 215-685-6110.**

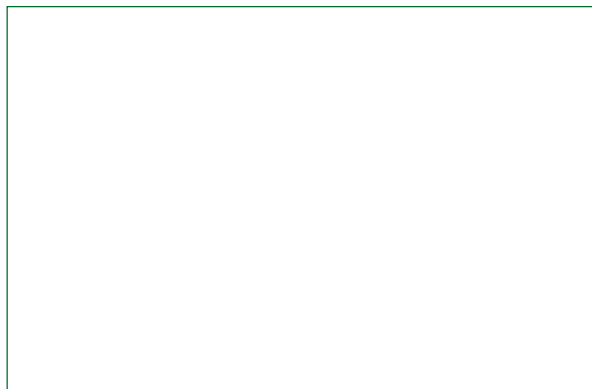
## Highlights from WREN Projects

### Meadville Area Partners Promoting Source Water Quality \$3,800 WREN Grant

Sixth grader Edith Willy's artwork will grace placemats and booklets about drinking water in the Meadville Area.

Willy was the winner of a poster contest designed to help educate students about their drinking water. Led by the Meadville Area Water Authority, the Meadville

Area Partnership has three goals: enlist the support of officials, educate students, and gain the support of everyone living in the source water area. The partnership is currently working on a second project of providing educational resources to the Meadville Public Library and bookmarks. They have already received the educational resources and are in the process of designing the bookmarks. The partners will also purchase a copy of TAPWater for use by area schools. TAPWater provides a comprehensive water education for grades 2-7 with



programs about Pennsylvania Water and hands-on activities, experiments, problem solving and lots of fun stuff. Best of all, this program can be used as a tool for educators to satisfy a portion of Pennsylvania's State Academic Standard for Environment and Ecology and Science and Technology that are water related. To learn more about the TAPWater program contact Mike Snyder at PA-AWWA, 717-774-8870, [mikesnyder@paawwa.org](mailto:mikesnyder@paawwa.org). For more info about the Meadville Partners contact Don Nold, [dnold@amwater.com](mailto:dnold@amwater.com).

### Roamingwood Sewer and Water Association \$4,400 WREN Grant

Roamingwood Sewer and Water Association is a small company that provides sewer and water service to The Hideout, a community of 3000 homes, about 1500 of which are year-round, in Wayne County. But they have taken on an ambitious project of source water protection education for the surrounding area, including two townships and two school districts. A 16 hour teacher workshop is planned for four Thursday afternoons in October. Teachers will receive CEU credit for the workshop. Volunteers have been recruited to receive similar training and will be available for

school and public programs. In addition, over 400 residents of The Hideout attended an "Open House" with displays, handouts and games hosted by Association. Custom built Groundwater Simulators, designed to show the geology of NE Pennsylvania will soon be part of their teaching tools. For more information contact Kevin Dunn, [ownkvn@aol.com](mailto:ownkvn@aol.com)

Visit **THE LIBRARY** on the WREN website.  
<http://pa.lvw.org/wren/>  
Most pubs listed on the RESOURCE page can be downloaded direct from **THE LIBRARY**

## Resources ...

### **RUNNING PURE**

(World Bank and World Wildlife Fund International, 2003, 112 pp)  
Identifies forests as a necessity for source water protection in a study of 105 city water supplies. Available at [www.panda.org/downloads/freshwater/runningpurereport.pdf](http://www.panda.org/downloads/freshwater/runningpurereport.pdf)

### **PAVING OUR WAY TO WATER SHORTAGES: HOW SPRAWL AGGRAVATES THE EFFECTS OF DROUGHT**

(American Rivers, Natural Resources Defense Council, Smart Growth America, 2003, 31 pp)  
Examines suburbanized areas and calculates groundwater losses due to increases in impervious surfaces. Reprints available from WREN, contact [porterlk@indianconnect.com](mailto:porterlk@indianconnect.com) or at [www.americanrivers.org/docs/SprawlReportFINAL1.pdf](http://www.americanrivers.org/docs/SprawlReportFINAL1.pdf)

### **2000 COMMUNITY WATER SYSTEM SURVEY**

(EPA, 2002, EPA 815-R-02-005A, 58pp)  
A survey of operating and financial characteristics of a nationally representative sample of community water systems. Available at [www.epa.gov/safewater/cwssvr.html](http://www.epa.gov/safewater/cwssvr.html)

### **FUNDING FOR SOURCE WATER PROTECTION ACTIVITIES**

(EPA, 2003, EPA 816-K-03-004, 8 pp)  
Lists and describes a variety of funding options. Available at [www.epa.gov/safewater/funding.htm](http://www.epa.gov/safewater/funding.htm)

### **SECTION 319 SUCCESS STORIES VOLUME III**

(EPA 2002, EPA 841-S-01-001, 222 pp)  
Examples of projects that successfully implemented the Nonpoint Source Pollution Program. Available from National Service Center for Environmental Publications, 800-490-9198 or visit [www.epa.gov/owow/nps](http://www.epa.gov/owow/nps)

### **FUNDING DECENTRALIZED WASTEWATER SYSTEMS USING THE CLEAN WATER STATE REVOLVING FUND**

(USEPA, 2003, EPA 832-F-03-003, 6 pp)  
Describes how the Clean Water Fund can be applied to decentralized systems.  
Available at <http://www.epa.gov/owm/cwfinance/cwsrf/factsheets.htm#Decentralized>

### **AFTER THE STORM – A CITIZEN’S GUIDE TO UNDERSTANDING STORMWATER**

(USEPA, 2003, EPA 833-B-03-002, 8p brochure)  
Pictures and text to describe stormwater pollution solutions.  
Available at [www.epa.gov/npdes/pubs/after\\_the\\_storm.pdf](http://www.epa.gov/npdes/pubs/after_the_storm.pdf)

### **NITROGEN POLLUTION: FROM THE SOURCES TO THE SEA**

(Hubbard Brook Research Foundation, 2003, 29 pp)  
Focuses on nitrogen pollution in the northeastern US, primarily from food production and consumption, and its damaging effects on coastal estuaries.  
Available at <http://www.hubbardbrook.org/hbrf/nitrogen/Nitrogen.pdf>

### **PA INSTITUTE FOR CONSERVATION EDUCATION – PROGRAM CATALOG**

Lists teacher workshops and youth camps which focus on natural history and conservation of natural resources.  
Available from PICE, 570-458-5227 or [naturecorp@enter.net](mailto:naturecorp@enter.net)

### **OUTREACH RESOURCE GUIDE 2002 – A DIRECTORY OF SMALL COMMUNITY DRINKING WATER INFORMATION**

(National Drinking Water Clearinghouse, 2002, 64 pp)  
Describes 80 national, professional and trade organizations interested in drinking water.  
Available from NDWC, 800-624-8301 or [www.ndwc.wvu.edu](http://www.ndwc.wvu.edu)

### **BACKYARD STREAM BUFFERS**

(Alliance for the Chesapeake Bay, 2003, 6 pp)  
A “how-to” guide for homeowners. Available from ACB, <http://www.alliancechesbay.org>, 717-737-8622

### **AMERICA’S MOST ENDANGERED RIVERS OF 2003**

(American Rivers, 2003, 33 pp)  
Highlights 10 rivers facing imminent threats, primarily from excessive demands for water. Available at <http://www.amrivers.org/mostendangered/2003report.htm>

### **SOURCE WATER STEWARDSHIP – A GUIDE TO PROTECTING AND RESTORING YOUR DRINKING WATER**

(Clean Water Fund, Campaign for Safe and Affordable Drinking Water and Clean Water Network, 2003, 43 pp)  
Practical, hands-on tools and links to info and resources for making source water protection happen.  
[jkral@cleanwater.org](mailto:jkral@cleanwater.org) or Julia Krall at 202-895-0420 X135.

### **WEST BRANCH SUSQUEHANNA SUB-BASIN SURVEY, A WATER QUALITY AND BIOLOGICAL ASSESSMENT, JULY-NOV 2002**

(Susquehanna River Basin Commission, 2003, 20 pp)  
Identifies healthy and polluted watersheds in the Basin. Available at [www.srbc.net/techreports.htm](http://www.srbc.net/techreports.htm) or from SRBC, 717-238-0423, email, [srbc@srbc.net](mailto:srbc@srbc.net)

**CLEAN WATER NETWORK** will shortly be rolling out an on-line toolkit to help with source water protection activities. Visit [www.protectsourcewater.org](http://www.protectsourcewater.org) to check it out.

## Conferences ...

### October 16-17 Villanova, PA 2003 Pennsylvania Stormwater Management Symposium

Sponsored by PA DEP, Chester Co  
Water Resources Authority, Villanova  
University and others  
Visit <http://www.engineering.villanova.edu/ce/vusp.html> or contact  
[Linda.Deangelis@villanova.edu](mailto:Linda.Deangelis@villanova.edu) or  
610-519-4358

### October 16-17 State College, PA PA Lake Management Society 14th Annual Lake and Watershed Management Conference

Contact: Jason Smith at 570-588-7900  
[jsmith@fxbrowne.com](mailto:jsmith@fxbrowne.com) or Ed Molesky  
at [emolesky@aqualinkinc.com](mailto:emolesky@aqualinkinc.com)

### October 20-23 Chicago, IL Nonpoint Source Pollution Infor- mation and Education Programs

Sponsored by the Chicago Botanic  
Garden and US Environmental  
Protection Agency. Contact Bob  
Kirschner,  
[bkirschn@chicagobotanic.org](mailto:bkirschn@chicagobotanic.org) or visit  
[www.chicagobotanic.org/research/  
conference/nonpoint](http://www.chicagobotanic.org/research/conference/nonpoint)

### October 23-24 State College, PA Twelfth Annual Urban and Community Forestry Conference

Sponsored by Penn State University,  
PA Bureau of Forestry, US Forest  
Service and PA Urban and  
Community Forestry Council  
Contact Dr. Bill Elmendorf or Carol  
Leitzell, 814-863-7941

### October 24 State College, PA Watershed Planning from the Bottom Up

Sponsored by The PA State Section  
American Water Resources Association  
Contact [dcchiche@usgs.gov](mailto:dcchiche@usgs.gov) (717-730-  
6951) , or visit [http://www.awra.org/  
state/pennsylvania/Watershed-  
Planning\\_Fall\\_Conf2003\\_Agenda.doc](http://www.awra.org/state/pennsylvania/Watershed-Planning_Fall_Conf2003_Agenda.doc)

### October 29-30 Pittsburgh, PA Vulnerability Assessments for Small and Medium Water and Wastewater Utilities Risk Assessment Methodology for Water (RAM-W™)

Sponsored by the PA Section of the  
American Water Works Association  
Contact [mikesnyder@paawwa.org](mailto:mikesnyder@paawwa.org) ,  
717-774-8870

### November 7-9 Altoona, PA PAEE 2003 Conference -- A Watershed Year

Sponsored by the PA Alliance for  
Environmental Education  
Visit <http://www.paee.org> or email  
contact [paee@hotmail.com](mailto:paee@hotmail.com)

### November 12-15 Las Vegas, NV Water Supply Scarcity: Who Gets the Last Drop!

Groundwater Foundation Annual  
Conference & Groundwater Guardian  
Designation  
Contact Cindy Kreifels at 1-800-858-  
4844 or [cindy@groundwater.org](mailto:cindy@groundwater.org)

### Save the Date!

### May 10-12, 2004 Harrisburg, PA Fourth Annual Goddard Forum *Sustainable Communities*

Contact Robert B. McKinstry, Jr.,  
[rbm10@psu.edu](mailto:rbm10@psu.edu) .

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