

WATER E-NEWS

October 2011
Volume 10 Issue 4

Delaware Water Resources Center (DWRC) <http://ag.udel.edu/dwrc/>
UD Water Resources Agency (WRA) <http://www.ipa.udel.edu/wra>

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I. DWRC NEWS

Spotlight on 2011-12 DWRC Undergraduate Internships

UD's Department of Food and Resource Economics DWRC intern Chelsea Halley's work, which started in June 2011, is highlighted in the article, "CANR Student Helps Water Resources Agency (WRA) Try to Improve Shad Population in White Clay Creek." The article is found here: <http://www.udel.edu/udaily/2012/oct/canr-shad-creek-100511.html>.

A related story is found here: <http://www.delawareonline.com/article/20110921/NEWS08/109210326/White-Clay-dams-removed>.



Visit <http://www.udel.edu/water/> to learn about the activities of **UD WATER (Watershed Action Team for Ecological Restoration)**.

An international symposium addressing global issues and trends in nutrient management was held at the University of Delaware from August 21-24, 2011. The symposium focused on how agricultural management practices, technological



advances, and global or regional policies are affecting both nutrient use efficiency in the food chain and the quality of our environment in different regions of the world. Over 90 registrants came not only from the mid-Atlantic U.S. but China, the Netherlands, Kenya, Ireland, Canada, and California as well. To view the presentations, proceedings, and photos, visit <http://ag.udel.edu/4thNMSymposium/>. A related story is found here: <http://www.udel.edu/udaily/2012/sep/nutrient-management-092811.html>.


II. JOBS IN WATER RESOURCES

Delaware State University offers water-related undergraduate and graduate assistantships, and undergraduate scholarships. Contact Dr. Dennis McIntosh, phone 302-857-6456, fax 302-857-6402, email dmcintosh@desu.edu, or visit <http://cars.desu.edu/aqua-sci/opportunities.htm>.

Visit <http://www.ceoe.udel.edu/prospective/scholarships/index.shtml> for news about fellowships through the **University of Delaware College of Earth, Ocean, and Environment**.

Visit <http://denin.udel.edu/fellowships> for news about fellowships through the **Delaware Environmental Institute**.

III. UPCOMING WATER CONFERENCES / EVENTS



**Delaware Section
of the
American Water
Resources
Association
(DE AWRA)**
www.deawra.org

Interested in the water resources of our state, and enjoy getting outdoors to learn about their history, science, and protection? Then consider participating in the

**2011 DE AWRA
Scavenger Hunt!**

WHAT	A statewide water resources scavenger hunt
WHEN	October 7 th -November 7, 2011
HOW	Teams must consist of 2-4 individuals and must be over 18.
ENTRANCE FEE	FREE
INFO	Register here: www.deawra.org/scavhunt
WINNER	Cash Grand Prize will be awarded based on speed, creativity, and completeness of package! Other prizes will be given out.

4th Annual
Water Quest
Scavenger Hunt

*Get your clues early at the University of Delaware's Coast Day, October 2, 2011. Clues can be picked up at the University of Delaware Water Resources Agency's exhibit.

Oct. 17-20, 2011: 27th International Conference on Soils, Sediment, Water and Energy, University of Massachusetts, Amherst, MA
Visit <http://www.umassoils.com>.

**Off the Grid
On the Green**
CAMPUS SUSTAINABILITY DAY 2011

Wednesday, Oct. 26, 2011: Visit <http://www.udel.edu/sustainability/event/>

A) Kick-Off Breakfast

Time: 7:30 AM-8:30 AM

Location: Ewing Room, Perkins Student Center

Help us kick off Campus Sustainability Day with a "no waste" breakfast and hear John Byrne of the Center for Energy & Environmental Policy and Distinguished Professor of Energy and Climate Policy in the College of Engineering present the state of the University's actions and plans in our commitment to sustainability. Dr. Byrne will speak at 7:45 AM.

B) Off the Grid On the Green: Showcasing UD's Sustainability

Time: 11:00 AM-2:00 PM

Location: On the central Green, Mentors Circle

Come learn and interact with UD colleagues sharing their idea leadership through research activities, best practices, and innovative actions aimed towards reducing our carbon footprint and enhancing sustainable practices around campus.

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**Wednesday, Nov. 2, 2011: WRADRB Fall Conference**

The Water Resources Association of the Delaware River Basin presents the conference, "**Sustainable Water Resources Management in the Delaware River Basin,**" at the Rutgers EcoComplex in Bordentown, NJ. Visit <http://wradrb.org/events.asp>, call 610-917-0090, or email [wradrb@comcast.net](mailto:wradrb@comcast.net). Directions are found at <http://ecocomplex.rutgers.edu>. **Register no later than Oct. 28.**

**Nov. 7-10, 2011: AWRA Annual Water Resources Conference, Albuquerque, NM**  
Visit <http://www.awra.org/meetings/ABQ2011/>.



**WHEN:**

**November 17, 2011  
9:00 a.m.-3:00 p.m.**

**WHERE:**

**St. Jones Reserve  
Dover, Delaware**

**REGISTRATION:**

***www.deawra.org***

**Deadline: 11/1/11**

**Space is limited!**

**COST:**

**Members \$15**

**Nonmembers \$30\***

**\*Includes one-year  
DEAWRA membership**

## **DISCUSSIONS WITH DNREC**

### *A Symposium on Water-related Topics*

*The Delaware Section of the American Water Resources Association (DEAWRA) is hosting a one-day symposium to discuss hot topics related to DNREC's water programs.*

**DISCUSSION TOPICS**

- *Watershed Implementation Plans (WIPs)*
- *Pollution Control Strategies (PCSs)*
- *Total Maximum Daily Loads (TMDLs)*
- *Updates to Sediment and Stormwater Regs*
- *Updates to Onsite Wastewater Regs*
- *Grant Opportunities*
- *Funding Sources*
- *State Revolving Loan Fund*
- *Water Quality Projects*

**Invited Speakers**

*Secretary Collin O'Mara (Secretary, DNREC)*

*Frank Piorko (Director, Division of Watershed Stewardship, DNREC)*

*James Brunswick (Community Ombudsman, Office of the Secretary, DNREC)*

*Kathy Stiller (Director, Division of Water, DNREC)*

**For more information contact:**

**Martha Corrozi Narvaez**

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**(302) 831-4931**

**Jan. 10-12, 2012: 8<sup>th</sup> International Conference on Environmental, Cultural, Economic and Social Sustainability, University of British Columbia, Vancouver, Canada**

Visit <http://www.sustainabilityconference.com>. **Abstract deadline is Oct. 20.**

**Jul. 3-6, 2012: Protection and Restoration of the Environment XI, Thessaloniki, Greece**

Visit <http://www.pre11.org>. **Abstract deadline is Oct. 17.**

The **Delaware Section of the American Water Resources Association** meeting information is found at <http://www.deawra.org/meetings>. Learn about the activities of the Delaware Student Section at <http://student.deawra.org>.

The **Delaware Nutrient Management Commission** (as well as other State of Delaware departments) public meeting and workshop information is found at <http://www.delaware.gov/egov/calendar.nsf/>.

#### IV. WATER RESOURCES INFORMATION / TRAINING

From the USEPA Region III (Philadelphia) Office of Public Affairs, Oct. 5, 2011:

#### **EPA Approves New Performance Standards for D.C. Stormwater, Renewed Permit Protects D.C. Waters and the Chesapeake Bay**

“The U.S. Environmental Protection Agency announced today that it has approved new performance standards for controlling urban stormwater runoff in Washington, D.C. The District’s renewed municipal separate storm sewer system (MS4) permit requires sustainable storm water management techniques including green roofs, tree planting, and retaining rainfall on-site from redevelopment projects.

‘This permit includes a number of green performance measures for preventing stormwater, along with the pollutants and trash it carries, from washing into local waterways,’ said EPA Regional Administrator Shawn M. Garvin. ‘Moreover, this builds on efforts the District has already undertaken and is a major step forward in reaching our goals for restoring the Anacostia River and Chesapeake Bay.’

Under the Clean Water Act, urbanized areas like the District are required by federal law to have permits covering their discharges. The permit announced today requires the District to take sustainable steps promoting green infrastructure including:

- Requiring a minimum of 350,000 square feet of green roofs on District properties;
- Planting at least 4,150 trees annually and developing a green landscaping incentives program;
- Retaining for all development projects of at least 5,000 square feet;
- Developing a stormwater retrofit strategy, and implementing retrofits over 18 million square feet of drainage of impervious surfaces;

- Developing consolidated implementation plans for restoring the impaired waterways of the Anacostia and Potomac Rivers, Rock Creek, and the Chesapeake Bay; and
- Preventing more than 103,000 pounds of trash annually from being discharged to the Anacostia River.

The new permit conditions are necessary because impervious surfaces in the District, such as roads, rooftops and parking lots, channel stormwater directly into local streams and rivers. Improperly managed stormwater runoff from the District damages streams, causes significant erosion, and carries excessive pollutants like nitrogen, phosphorus, sediment, toxic metals, and solvents downstream and into the Chesapeake Bay. This permit aids the District in meeting its Chesapeake Bay pollution reduction targets and its Watershed Implementation Plan.

In finalizing the D.C. MS4 permit, EPA prepared responses to 21 individual comment letters received during the 45-day public comment period which closed on June 4, 2010, as well as approximately 50 separate form letters from area residents.

To view the permit, fact sheet and response to comments online visit <http://www.epa.gov/reg3wapd/npdes/dcp/permits.htm>.

For more information about Municipal Separate Storm Sewer Systems (MS4s) visit <http://cfpub.epa.gov/npdes/stormwater/munic.cfm> .”

#### **Thursday, Oct. 13, 2011: EPA Method 525.5 Webinar**

Information about the free webinar, scheduled for 11 AM ET, “**EPA 525.2 for the Analysis of Organic Contaminants in Drinking Water, Groundwater, and Raw Source Water in Any Treatment Phase,**” can be found here: <http://hosted.verticalresponse.com/849345/7fee0f80ef/136103529/1372845890/>.

#### **Tuesday, Oct. 18, 2011: CUAHIS Hydrologic Information System (HIS) Webinar**

The first of four Fall webinars “**Accessing the Water Data of the World Using HydroDesktop,**” will be presented at 3 PM ET. Visit <http://his.cuahsi.org/webinars.html>.

TheWaterChannel is an open resource with many videos related to water. Explore <http://www.thewaterchannel.tv/>.

WaterSense’s “promoting water efficiency by raising awareness” new public service campaign is called “**Wasting Water Is Weird.**” Meet “Rip the Drip” here: <http://www.wastingwaterisweird.com/>.



Welcome new subscribers! Contributions, comments and questions are always appreciated. Water E-News serves citizens interested in topics on Delaware water resources and is published by the Delaware Water Resources Center, University of Delaware. Our address: 113 Townsend Hall, Newark, DE 19716-2103. Phone: 302-831-0847; fax: 302-831-0605; Web: <http://ag.udel.edu/dwrc/>. Dr. Tom Sims, Director, email [tsims@udel.edu](mailto:tsims@udel.edu); Maria Pautler, Program Coordinator, email [mpautler@udel.edu](mailto:mpautler@udel.edu). To unsubscribe, email [mpautler@udel.edu](mailto:mpautler@udel.edu) with “Unsubscribe Water E-News” in the subject line.