



# Clean Water for North Carolina Clean Currents

Summer 2007

*A newsletter of clean water and community environmental justice issues*

## North Carolina's Energy Choices Must Protect our Water Future

By Jill Logeman, CWFNC 2007 Duke Stanback Intern, Durham

As you work to reduce your air conditioning bill this summer, did you realize that you are also conserving and protecting North Carolina's water? They may seem unconnected at first glance, but energy and water are closely related. Power plants that run on fossil fuels or nuclear power rely heavily on water as a source of cooling water and a sink for wastewater. What price do we pay for that electricity when it comes to our water resources?

Already our state's coal and nuclear power plants account for over **80% of the water withdrawals in NC – over 8 BILLION gallons/day**. This water comes from a river or lake, cycles through the plant and then is mostly returned to its source, but even the cooling water is degraded in quality. It's warmer than natural temperature and can contain a variety of pollutants, from metals to radioactive waste (in the case of nuclear plants).

Energy demands are rising along with concern over global warming due to coal plant emissions, making nuclear power look to some like a good choice for new power. Duke Energy has proposed new nuclear plants and is trying to expedite the permitting process, expecting ratepayers to pay an extra \$125 million to cover application costs. What would this do to our energy and water security? Over 80% of the uranium for US nuclear plants comes from foreign countries, where shortages are already leading to higher prices. Radioactive tritium is leaking into groundwater at several plants, including Progress Energy's Brunswick plant, near Wilmington. And then there's the overheating of streams and lakes.

As all 100 NC counties are now in drought conditions, we must avoid the situation faced by nuclear dependent countries. Several plants in France shut down during the summers of 2003 and 2004 due to droughts that left them without enough cooling water to operate safely. Even before these shutdowns, environmental regulations had been waived, allowing the plants to discharge extremely warm water, killing many organisms in rivers and lakes.

Duke Energy's expansion of the Cliffside coal plant in Rutherford County would cost ratepayers over **\$2 billion**, plus \$600 million in what the company calls "additional financing costs," and would withdraw millions more gallons of water each day. Public resistance and growing cost estimates caused the Utilities Commission to approve only one of the two new coal units Duke had asked for.

This energy debate has led to several proposed state laws, including a bill to set a minimum level of renewable energy production in NC. The minimum "portfolio standard" would be a step in the right direction, but utility lobbyists loaded the bill with destructive provisions, lowering the percentage of renewable energy, increasing use of animal wastes, and adding funding for more coal and nuclear plants. Many environmental groups had no choice but to withdraw their support.

NC's water isn't just for the utilities—already a massive public subsidy. It's water we need for drinking, fisheries, our economy and recreation, and we must do all we can to protect it. Conserving energy in your home and workplace is critical – turning off lights, computer, air conditioning when not in use saves energy AND water. Spread the word: energy over-consumption wastes and degrades WATER, too. Tell your state representatives our policies need to protect North Carolina's water and future economy, not utility profits.

**WARNING  
DROUGHT COULD  
CAUSE POWER OUTAGES**

### Independent Energy Efficiency for North Carolina—It's Time!

Can North Carolina's investor-owned utilities, whose profits depend on selling MORE electricity, be expected to provide effective services and incentives for energy conservation and efficiency? Six states have decided that an independent non-utility program is a better approach, avoiding the built-in conflict of interest in utility-run programs, and keeping more energy savings in the pockets of consumers.

A new report prepared by Synapse Energy Economics for Clean Water for North Carolina describes how independent programs in NY, VT, OR, WI, ME and NJ are set up and what they've accomplished in energy savings, and reduced pollution. You can find "Independent Administration of Energy Efficiency Programs" on CWFNC's website, at [www.cwfnc.org](http://www.cwfnc.org).

Investor-owned utilities are motivated to provide efficiency services ONLY if they are assured that they'll make a profit, and their programs have few services for low wealth communities. By contrast, independent programs can spread the economic benefits of efficiency more generously and fairly to consumers, motivating businesses, industries and residents to keep the savings while achieving more benefits for our water, air and economy. Join us to help make NC the first state in the southeast with an independent efficiency program! Contact [hope@cwfn.org](mailto:hope@cwfn.org).

# WhoWeAre

## Clean Water for North Carolina

Clean Water for North Carolina is a private, non-profit organization based in Asheville, NC. CWFNC works to ensure that all people have a right to live, work, and play in clean and safe communities. Together, we have the power and responsibility to work for a healthy and sustainable environment. Our staff works with an active and diverse board of directors and members to increase grassroots involvement in environmental decisions. CWFNC spearheads action statewide and helps grassroots and environmental groups, individuals, and local governments develop strategies to address threats to the environment.

### Our Mission

Clean Water for North Carolina promotes clean, safe water and environments and empowered, just communities for all North Carolinians through organizing, education, advocacy and technical assistance.

### Board of Directors

Robin Cape • Asheville  
Montie Hamby • Winston-Salem  
Allen Hubbard • Charlotte  
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Nathanette Mayo • Shiloh  
Richard McElrath • Charlotte  
Deb Criss • Asheville  
DeWayne Barton • Asheville  
Marshall Tyler • Mocksville  
Joann Almond • Albemarle

### Who to Contact

#### Asheville

828-251-1291 • 800-929-4480  
Gracia O'Neill, Assistant Director  
gracia@cwfn.org

Monica Peña, Volunteer Member Coordinator  
monica@cwfn.org

#### Durham

919-401-9600  
Hope Taylor-Guevara, Executive Director  
hope@cwfn.org

#### Garysburg

252-537-1078  
Belinda Joyner, Northeast Organizer

## Welcome Monica Peña, New Volunteer/Member Coordinator!

Clean Water for NC is proud to welcome our newest staff member, Monica Pena, to the Asheville office! A graduate of New College (Florida), Monica's undergraduate thesis focused on the economic disparities, racial tensions, cultural frameworks, scientific issues, and political processes influencing an environmental justice campaign in the rural South. Monica also comes to CWFNC with year of experience as a community event organizer, bilingual advocate, and a passion for environmental and social justice issues.



Monica is gracefully working double duty as both CWFNC's Membership/Volunteer Coordinator *and* Project Coordinator for the Asheville "Water and Energy for Justice" youth team. As Coordinator for the team, Monica is responsible for working directly with student interns to conduct urban stream bank stabilization and home weatherization projects, not to mention keeping up with the myriad of details that go along with such an undertaking. Once the youth project is completed in July, she will be able to focus on our Water Justice Campaign and her membership/volunteer duties, including trainings, some research and community organizing work (particularly in Latino communities) and keeping our communications running smoothly. We're very glad you've joined us Monica – keep up the great work!

## Welcome to Lin Li - 2007 Duke Stanback Intern

We are very pleased that Lin has joined our team this summer to work on research and recommendations for appropriate land-use policies for NC's steep mountain regions. Specifically she is focusing her research on advocacy for steep slope land-use policies that effectively protect both people and the environment – something that is desperately needed in western NC! Lin is pursuing her Masters in Environmental Management, with a concentration in Water and Air Resources. Originally from Peking China, Lin came to the United States after she received a scholarship from Duke University, and eventually sees herself working for the government or a private consulting agency after spending some more time in the US. We're happy to have you with us, Lin!



See Page 7 for an update on our Water & Energy for Justice Youth Teams.



Durham



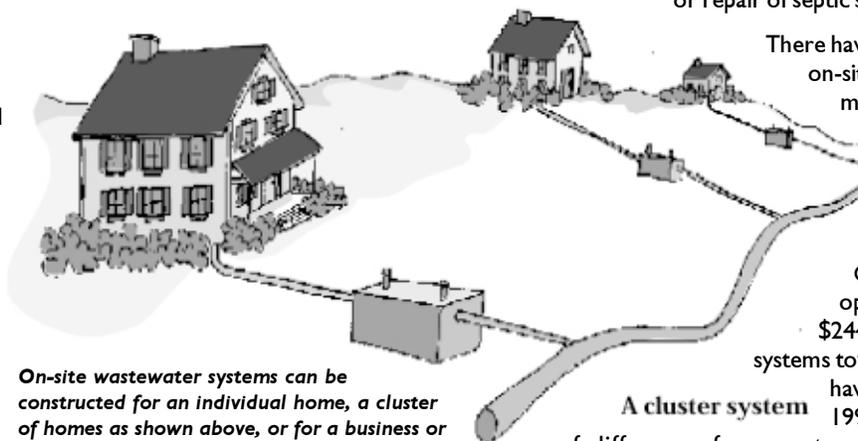
Asheville

## Are Rural Residents' Wastewater Systems Getting Shortchanged?

Where does your wastewater go? North Carolinians rely on two basic types of wastewater treatment; large collection and treatment systems (offsite sewage treatment plants, often owned by municipalities) and "on-site" wastewater systems owned mostly by private property owners. About half of the wastewater in North Carolina is handled by sewage treatment plants, and the other half by decentralized on-site or "clustered" wastewater systems. Despite the high proportion of on-site systems, state and federal loans and grants in North Carolina for wastewater repairs, upgrades and expansion have gone almost exclusively to large, centralized collection systems and treatment plants.

"Decentralized" systems have many advantages. They can employ a combination of onsite and cluster systems (from two or more dwellings) and are used to treat and dispose of wastewater from dwellings and businesses close to the source. These systems allow for flexibility in wastewater management (they can be tailored to help protect ecologically sensitive areas) and are long-term alternatives to centralized wastewater treatment facilities, particularly in small and rural communities where they are often most cost-effective. Use of decentralized systems can eliminate the need for large transfers of water from one watershed to another (which can happen with larger, centralized systems), prevent sediment impacts during construction of large systems, avoid the cost of miles of collection lines, and reduce the amount of waste entering our surface waters, especially when aging collection lines fail.

The two main sources of such funding are the Clean Water State Revolving Funds (CWSRF) provided through the US EPA (by the Clean Water Act), and state supported funds through the NC Clean Water Management Trust Fund (CWMTF). According to research by UNC-



*On-site wastewater systems can be constructed for an individual home, a cluster of homes as shown above, or for a business or industry, saving costs of a centralized plant and long collection lines. Figure thanks to National Small Flows Clearinghouse.*

Chapel Hill Master's student, Adrienne Simonson, CWSRF expenditures in North Carolina on loans for large collection and treatment system have totaled over \$244 million since 1997. Some of this funding is used to eliminate on-site septic systems by tying them into the large treatment plants, but only a tiny fraction has been used for management, maintenance or repair of septic systems.

There have been no expenditures in NC for on-site systems management, maintenance or repairs using the State Revolving Funds. Although the Clean Water Act allows a small percentage (3%) of its SRF funds to be allocated for septic system repair programs, North Carolina has not yet exercised that option. If NC had put 3% of the over \$244 million it has spent on large systems toward on-site systems, it would have spent over \$7 million since 1997. That spending could make a lot

of difference for water quality and to owners with limited resources for repairing their systems. The NC CWMTF began funding wastewater infrastructure projects in 1997. The total spending for these projects is about \$175 million to date, with less than \$7 million allocated to on-site septic systems grants and revolving loan programs. In summary, wastewater infrastructure spending on large systems in NC (since 1997) has totaled about \$413 million, while spending on smaller (on-site, decentralized) systems in NC has totaled less than \$7 million, or 1.64% of infrastructure spending.

When a community hires an engineering consultant to recommend infrastructure upgrades, the consultant typically gets 10% of the cost of the project if they carry out the project. Why would a consultant be motivated to recommend a lower cost alternative, such as a decentralized system? As a result of this practice, infrastructure decisions are often biased AGAINST choices that would be most economic and environmentally sustainable for rural communities. Local officials need to be educated that on-site systems are often the best all-around choice, and state officials need to reprioritize funding to maintain, manage and repair those systems!

## Development Boom = More Wastewater Discharges to Mountain Streams?

Unchecked and irresponsible development is creating environmental consequences that threaten water resources and the quality of life in Western North Carolina. The growing popularity of the region, coupled with the region's topography means that builders are increasingly developing on slopes. Mountaintop, or steep slope, development threatens surface waters (often high quality trout waters) by increasing the amount of stormwater runoff, introducing high volumes of sediment (the single largest non-point source pollutant in surface waters), and often results in applications for new wastewater discharges to streams and rivers. The surge in development is also expected to overwhelm mountain aquifers, which provide drinking water to wells in rural communities.

Clean Water for NC has joined with Laurel Valley Watch to challenge the NC Div. of Water Quality's (DWQ) approval of a permit that would allow luxury developers to discharge up to 300,000 gallons per day of treated sewage into a tiny, pristine trout stream. Among other concerns, DWQ didn't require the developers to realistically evaluate building a decentralized wastewater system. Decentralized systems can be used to treat relatively small volumes of wastewater, originating from groups of dwellings and businesses that are located close together (such as in the case of Scenic Wolf Development). Such a system may cost less than the proposed treatment plant and collection lines, and would eliminate the need for a discharge to the creek – which is frequently used by the community for fishing, baptisms and recreation. For more information, call CWFNC at 828-251-1291 or visit <http://www.laurelvalleywatch.org/>

## Grassroots Movement Derails New Power Plant

**Woodfin** – In the early morning hours on April 3rd, after six painful hours of testimony by activists, advocates and company representatives before the town's Planning and Zoning Board, one of the state's major utilities lost a battle to a regional grassroots movement. Progress Energy was denied a permit they had sought to build an oil-burning power plant to generate highly profitable electricity during "peak" usage hours. Buncombe County Commissioners had approved a long-term lease agreement with Progress Energy earlier in the year for \$1, even though the plant would have been a significant source of air pollution, and advocates argued it just wasn't needed.

Responding to public pressure, Progress Energy announced it does not plan to build a "peaking" power plant in Buncombe County in the near future, and then created a "community energy advisory council" to get input on how the utility can plan for the region's energy future. However, many local advocates (including CWFNC) are unimpressed by the creation of the utility-convened council and are working to build The Sustainable Energy Council of WNC – a real community council to help create an independent vision for a sustainable western NC. CWFNC has also just released a new report on states with non-utility energy efficiency programs as a model for North Carolina – go to [www.cwfnc.org](http://www.cwfnc.org) and click on the link on the right side of the page to read the report!

## Poor Notification Impairs Public Participation on Toxic Air Permit

**Canton** – In early April, after receiving comments and requests from the public, the NC Div. of Air Quality (DAQ) held a public hearing on the draft Air Quality Permit for Blue Ridge Paper Products. The paper mill is the region's largest emitter of air toxics, releasing over 3 million pounds of toxic and hazardous emissions each year, and is western NC's second largest contributor to greenhouse gases. Over 20 people spoke at the public hearing, including CWFNC staff, who asked for key changes to be made to the permit to protect public health.

One of the many issues raised at the hearing was the inadequacy of public notification by DAQ for the draft permit and the hearing. Notification of the hearing was posted in the legal notices section of local papers, but several residents who requested to be notified of a hearing were not contacted, and there was no e-mail announcement. No press releases were sent to papers at the start of the announcement period, so even highly motivated reporters and public weren't aware of the upcoming hearing until the last minute. The head of Air Quality's permitting branch apologized for this and other notification failures and asked for our help in expanding the public notification list (see page 6 for more info on public notification). The permit was issued, with no significant changes, about a week after the hearing.



## Yadkin River Residents: We Want a River Protection Group!

**Wilkesboro, Winston-Salem,  
Salisbury and Albemarle—**

In April and May, Clean Water for North Carolina hosted four meetings in cities along the Yadkin River to find out how interested folks are in forming a new organization to protect the River and its communities. Over 110 folks signed up at these lively meetings, saying that that they wanted to join the organization, more than 30 would consider serving on the Board, and fourteen donors have already started a new Yadkin fund of more than \$1,000!

Thanks to wonderful RiverKeepers Heather Jacobs (Pamlico-Tar), Donna Lisenby (Catawba), and Larry Baldwin (Lower Neuse), as well as WaterKeeper Alliance's Rick Dove (former Neuse RiverKeeper) for passionate and inspiring presentations about what a RiverKeeper program can do. We also thank the international WaterKeeper Alliance for supporting travel expenses for all of our speakers and helping us to prepare folks for forming the new organization.

In late July, we'll host a pot luck picnic so that folks along the Yadkin can get to know each other better. The day after CWFNC's Annual Meeting in Winston-Salem in September, there will be a "Yadkin River Canoe Float" and a meeting to help create the new organization and elect its first Board of Directors!



## New NC Law Adds Protection at Hazardous Waste Facilities

**Apex and Raleigh**—In June, the NC legislature passed a law to require more disclosure and protections at hazardous waste handling facilities. Explosions and fire at EQ Industrial's Apex hazardous waste facility in October caused the evacuation of thousands of nearby residents. Waste management facilities that store hazardous materials for less than 30 days have had a reporting loophole for over 20 years, so Apex and regional emergency responders had little information about what was burning at EQ for days after the accident. It was clear to everyone that communities and emergency workers need more information and tools to protect public health and the environment.

In November, CWFNC advocated to the Governor's Hazardous Materials Task Force for: 1) stronger community right-to-know; 2) financial assurance requirements for such facilities; 3) better training for employees who handle hazardous waste, and 4) pollution prevention by reducing use of toxic and hazardous materials. We are encouraged that NC DENR and legislators supported the first two proposals, but disappointed that they did not perceive the importance of worker training and pollution/hazard prevention for community safety. EQ's permit was revoked by the Division of Waste Management, but the company wants to rebuild. Many of the facility's Apex neighbors are fighting to keep the facility from re-opening.



## DuPont Wastewater Permit "Slides" Through National Coalition Challenges Widespread Contamination

**Fayetteville**—In December, the NC Division of Water Quality announced that NC was implementing one of the weakest interim groundwater standards in the nation for DuPont's chemical, PFOA (or C8), used in manufacturing non-stick surfaces like Teflon. Within two weeks, the facility's wastewater discharge permit came up for review. Southern Cumberland Concerned Citizens, Cape Fear River Watch and Clean Water for North Carolina all submitted comments demanding more chemical testing, a stronger PFOA standard and an immediate stop to sediment violations from the facility's discharge ditch. After months of silence from DWQ, the permit was issued quietly in late May, changed only to require monitoring—with no specified method or detection level—for PFOA.

In April, representatives of Clean Water for North Carolina and the Concerned Citizens traveled to DuPont's annual shareholder meeting in Wilmington DE to protest the growing legacy of contamination and worker exposure to PFOA and other toxic chemicals at DuPont facilities from Texas to New England. DuPont's CEO asked our coalition to meet with their environmental officials after the meeting, but they only offered to contact us later to help investigate animal deaths. Coalition groups from across the country questioned the credibility of DuPont's voluntary program to phase out use or sale of PFOA, knowing that millions of additional pounds of the toxin would be allowed to accumulate in the environment and worker's bloodstreams, with little independent accountability. We'll continue to challenge DuPont's right to expose all of us to this "likely carcinogen" with potentially wide-ranging health effects.

**Report a pollution problem: contact your nearest environmental regulator**

## DENR Regional Offices

**Asheville Regional Office**  
828-296-4500

**Fayetteville Regional Office**  
910-486-1541

**Mooreville Regional Office**  
704-663-1699

**Raleigh Regional Office**  
919-791-4200

**Washington Regional Office**  
252-946-6481

**Wilmington Regional Office**  
910-796-7215

**Winston-Salem Regional Office**  
336-771-4600

*If DENR doesn't take action, contact CWFNC at 800-929-4480*

# Arsenic, Radium and Radon—Natural Contamination in NC Groundwater

By Hope Taylor-Guevara

Do you have a drinking water well in central or western North Carolina? If so, there's a chance that your well water could have one or more contaminants that come from the rock formations from which the water is pumped. In the piedmont of North Carolina, there's a chance of finding arsenic or radium in your well and in the mountain counties, it's possible that radon could be present. Knowing about the potential for this contamination and its risks can make a difference for your family's health.

As the user of a new well in Granville County (north of Durham), I knew arsenic could be a problem in my area. Fortunately, my results showed arsenic was "below detection" level, less than 0.5 parts per billion. I will test again in 2 to 3 years, because exposing rocks to air at the base of a well CAN cause arsenic to dissolve from the rocks over time.

Dr. Avner Vengosh of the Duke University Nicholas School of the Environment, is leading a group of researchers to study natural contaminants in North Carolina well water, including cost effective methods of treating and water to remove them. Clean Water for North Carolina is a collaborator in this US Dept. of Agriculture funded study, assisting researchers in community outreach and selection, as well as policy proposals to increase well-user protections in North Carolina.

All of these contaminants are relatively inexpensive to test for in your well, and we encourage you to do so if you fall in one of the areas shown below, where one or more of the contaminants occurs frequently. Clean Water Lead Testing offers arsenic testing kits for water



([www.leadtesting.org](http://www.leadtesting.org)) and you can contact your health department to locate other labs to test for arsenic, radium or radon.

## Health Risks of Natural Contaminants:

**Arsenic:** Known risks associated with exposure to arsenic in drinking water include cardiovascular disease, skin disorders, and lung cancer. There is some evidence linking arsenic exposure through drinking water to diabetes, reproductive disorders, and neurological disorders.

**Radium:** In southern New Jersey, the high level of radium activity in groundwater is associated with abnormal cancer rates, with a three-fold higher risk of developing bone cancer among males living in this area.

**Radon:** Produces increased rates of lung cancer in underground uranium miners, experimentally exposed laboratory animals, and residents exposed to high radon levels in their homes. Household water with radon could release the volatile gas into your home, resulting in increased exposure and cancer risk.

## Who's Polluting the Air in Your Neighborhood?

After Clean Water for NC reported recent frustrating experiences with ineffective public notification for "Title Five" (also known as "Title V") major air permits, the Div. of Air Quality (DAQ) agreed to expand its e-mail notification list. DAQ also agreed to notify folks submitting comments on permits of any related future public hearings, but only if they request it!

Just e-mail [donald.vandervart@ncmail.net](mailto:donald.vandervart@ncmail.net) and ask to be added to the e-mail notification list for Title V permits and hearings. DAQ includes the name of the County in the body of the email notification for each facility, so you can discard any emails that are not in an area of interest to you. To

review the complete Air Quality files for a facility, you'll need to contact the indicated DENR Regional Office (see *Page 5 for contact info*).

Don't be intimidated by how lackluster "commenting on permits" sounds – this process is one of the most direct ways YOU can have a say in the health of your community! Besides, Clean Water for North Carolina can help you to review and comment on Title V (and most other environmental) permits. Contact Hope at [hope@cwfn.org](mailto:hope@cwfn.org) for help with Title V permits, or gracia at [gracia@cwfn.org](mailto:gracia@cwfn.org) for water quality permits.

**PLEASE TAKE THIS IMPORTANT OPPORTUNITY TO STRENGTHEN PUBLIC PARTICIPATION TO IMPROVE MAJOR AIR PERMITS!**

## Act Now: Protect North Carolina's 2.7 Million Well-Users!

North Carolina doesn't have any laws to protect over ¼ of our residents that depend on existing wells! Last year a \$300,000 Emergency Drinking Water Fund appropriation was created to notify well-users close to contamination and provide safe replacement water—BUT THAT MONEY STILL HASN'T BEEN SPENT!

This year, thanks to relentless support from Guilford County Representative Pricey Harrison, the Fund will probably be expanded to over \$600,000, and will be prioritized for lower income residents. It's a good start: we estimate that more than \$2 million per year will be needed for five years to deal with already known contaminated wells. And important legislation to ensure right-to-know, testing and replacement water STILL



hasn't been heard by legislative committees!

Tell your representative you want them to support and PASS House Bill 2043 to: notify well-users near contaminated sites; require well water testing before real estate transfers, and expand the Emergency Drinking Water Fund in memory of its first sponsor, Rep. Bernard Allen, who died suddenly last October.

Here's how to find your representative's contact information: Go to [www.ncga.state.nc.us](http://www.ncga.state.nc.us). Then click on "representation" in the left hand column of the page. Click on the "representation" link at the top. Then enter your district, county or zip code. Phone calls or letters are probably most effective, but a quick email is great, too!

# Thanks to Our 2006 Foundation Partners and Major Donors for their Generous Support!

*Appalachian Regional Commission*  
*Creating New Economies Fund of The Conservation Fund*  
*Alan and Marty Finkel*  
*First Congregational Church, Asheville*  
*Ford Foundation*  
*Sam Hummel*  
*Allen and Rosemary Hubbard*  
*Laurel Valley Watch*  
*Norcross Wildlife Foundation*  
*Oak Tree Fund of the Community Foundation of WNC*  
*Park Foundation*

*Patagonia, Inc.*  
*Pigeon River Fund of Comm. Found. of Western NC*  
*Julian Price Family Foundation*  
*Z. Smith Reynolds Foundation*  
*Stu and Nancy Ryman*  
*Fred and Alice Stanback*  
*Shaler and Carolyn Stidham Family Fund*  
*River Network*  
*Hope Taylor-Guevara & Family of Winston H. Taylor*  
*Weisler Family Fund*  
*Anonymous*

## Thanks to the following donors for their generous support to help start a new RiverKeeper organization to protect the Yadkin River!

Debbie Lynn Thorpe, Velvet Motsinger, Jenece Smith, Scotty Folds,  
Carann Graham, Barry Boneno, Tomme Gamewell, Lisa Ann Alexander,  
Mindy Mock, John Nolan, Melba Melton, Mary Ciocan, Barbara Kendrick,  
Randy and Laura Coker and Maxine Sweatt

## Thanks to Our Recent New and Renewing Members!

Lily Ann, Charles L. Stohr, Sylvia S. Pinyan, John and Maria-Luise Rager,  
David Kiel and Amej Miller, Jay and Jennifer Mills, Ed McNally, Raymond  
Eurquhart, Unity Center of Christianity, Harry Petrequin, James J.  
Cassara, First Congregational Church and Chris Gilbert

## Thanks to our Earth Day volunteers!

Satori Kersh, Eric Knopf and Rasoul Butler

## Youth Teams: Water and Energy for Justice

Clean Water for NC's 2007 "Water and Energy for Justice" youth teams are hard at work in Durham and Asheville, stabilizing urban stream banks using native plants and doing home energy conservation installations in low income communities. Youth in both programs are learning water quality and energy efficiency theory in addition to improving their technical and customer service skills. Team members are also investigating and planning for businesses consistent with their values, and will have the opportunity to develop advocacy and presentation skills. Many thanks to our team members for their hard work and to program Coordinators, Monica Pena (see on page 2) and Constance Birden (below), who've kept the programs fun, educational and running smoothly!



**Clockwise from top: Durham Team, Camille, Cleveland, Felita, Constance and Davone spread straw matting to protect and stabilize an eroded streambank; Constance Birden, senior at NC Central Univ. and future law student, Durham Coordinator; Asheville team's Roshana and Akeem working on native plantings; Devontae and Akeem apply weather stripping to save energy.**

## Join Clean Water for North Carolina

*(or renew your membership)!*

Here's my donation to join or renew my CWFNC membership:

\$20

\$35

\$50

\$100

Other \$ \_\_\_\_\_

I would like to volunteer, contact me.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

*(Email is a faster & cheaper way for us to reach you.)*

### Make your check payable to:

Clean Water for North Carolina  
and send to: 29½ Page Avenue  
Asheville, NC 28801



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info@cwfn.org

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**TAKE ACTION NOW FOR  
ENERGY INDEPENDENCE**  
(See Page 1)

**ACT FOR WELL  
PROTECTION, AIR  
POLLUTERS!**  
(See our new section  
on Page 7!!)

This newsletter is printed on  
30% post-consumer, 50% alternative fiber.

## **MARK YOUR CALENDAR!!**

### **Rising Up: Grassroots Efforts for Water Justice and a Safe Energy Future in NC**

Clean Water for North Carolina's 23<sup>rd</sup> Annual Meeting & Celebration

**September 22, 1:30 PM**  
**The Children's Home • Winston-Salem**

**1:30-4:30 PM Saturday, September 22<sup>nd</sup> at the Children's Home, Winston-Salem, NC**

Inspiring speakers, homemade refreshments, great fellowship and action ideas!

**Contact:** [info@cwfn.org](mailto:info@cwfn.org) for more information.



**9:30 AM Sunday, September 23<sup>rd</sup> Yadkin River  
Float**, details to be announced. Bring your canoe or  
kayak and join us for a 2-3 hour journey and  
celebration down the River!

**1:00 PM Sunday, September 23<sup>rd</sup>, picnic lunch  
and Founding Meeting** of a new organization to  
protect the Yadkin River! All Yadkin River basin  
dwellers are invited: help elect the first board of  
directors and set the organization's first goals.