



## WATER QUALITY PROJECT

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### About the Water Quality Project LLC...

Water quality has become an issue of great importance to local communities. Point and nonpoint source pollution of streams and creeks, erosion problems, and combined sewer overflows (CSOs) have forced local officials to pay more attention to their watersheds and how they are impacted.

Greenacres Water Quality Project (WQP) Limited Liability Company (LLC) is an educational community outreach project that works with school groups, citizens, environmental organizations, local communities, government agencies, and youth organizations to educate them about water resource issues and to work with them to preserve and protect water resources. Our goal is to improve, preserve, and protect local water resources through education and involvement of school children, families, and adults in water quality issues.

The Greenacres Water Quality Project began as an interdisciplinary real-world, "hands-on" science and environment education program. This School-based Community-linked Monitoring project began in 1992 with several goals:

- To monitor and protect water quality
- To enhance science and math education in schools
- To integrate schools, local governing bodies, and other organizations for the purposes of sharing information and improving the quality of local streams.

8255 Spooky Hollow  
Cincinnati, Ohio 45242  
513-891-4227

8:30 AM to 5:00 PM  
M-F

For more information on the  
Water Quality Project, please  
contact Anne Lyon at:

513-891-4227  
[alyon@green-acres.org](mailto:alyon@green-acres.org)

Today we offer a variety of programs in four main areas:  
Program Support and Training, Community Outreach, Special  
Projects, and Fund Raising.

[Water Quality Summer Opportunities 2007](#)  
[2006 Water Quality Project Highlights](#)  
[2005 Water Quality Project Highlights](#)

**PROGRAM SUPPORT AND TRAINING:** includes classroom presentations and field days; teacher training and resource development; youth monitoring, education, and service learning projects; and special events, competitions, festivals, and fairs.

**School-based Community-Linked Monitoring Program:** Schools can provide local governments with the data they need, learn about the impacts of land use activities, and work with others to protect and improve water quality. Greenacres

can help schools organize and implement the project in cooperation with local agencies and organizations, to insure quality data collection. We work with schools and other organizations to identify funding, resources, and potential partners; to train teachers and students; and to organize workshops, training, and other events.

Schools benefit by being able to provide meaningful “real-world” scientific research and reporting opportunities to their students. Students become better-informed citizens by taking active roles in community affairs and by working with their local government and community to protect local water resources. The partnerships promote positive public relations between cities, schools, and community members.

Students participating in the project learn how to monitor the quality of surface water, analyze the results, and present findings and conclusions to local government officials. Students conduct tests at accessible sites close to their schools no less than once each month. They may also inventory riparian vegetation, wildlife, land uses, non point source pollution, sewer and septic systems, discharge pipes, and other physical characteristics of the watershed. They learn to analyze their data using EPA standards, and present their findings to local governments and organizations.

Communities benefit from the project in a number of ways. The low-cost data collected may be used to supplement and enhance local community databases. Results may also indicate potential water quality problems. Information can be used to gauge the condition of surface waters and, if necessary, provide background information for modifying local regulations related to resource protection and public health. Students have discovered construction site dumping, sewer line failures, septic system malfunctions, and illegal discharges while monitoring. Proper authorities were notified, and actions were taken to improve and/or correct identified problems.

The role of partnering organizations is two-fold. First, the agency or organization agrees to receive the students’ annual report and presentation. This report is made at the end of the school year, after students conclude data analyses and compile findings and ideas. Second, the partner agrees to provide some funding and/or other support to the schools annually, toward the purchase of water quality testing equipment and supplies. Grants are also sought to support school programs.

Each school agrees to monitor one or more local creeks on a monthly basis from September to May. Generally, streams are located in close proximity to the school. However, partner’s work together to identify streams where data is needed and to determine what types of data should be collected. Partners also agree upon a way to share information and to report any potential problems discovered. Schools agree to recognize partners in all printed materials, oral presentations, and publicity generated by the school about the project.

[Indian Hill High School Article – Indian Hill Bulletin Summer](#)

2006

Indian Hill Data 2005-2006

Indian Hill Data Sharing Powerpoint 2005-2006

### **School Visits:**

- **Classroom Programs:** We maintain a selection of "Grab-and-Go" hands-on activities from Project WET, Project WILD, Project WILD Aquatic, WOW The Wonders of Wetlands, Healthy Water Healthy People curricula in addition to other activities we have developed so we can provide classroom programs for grades 3-12 as requested.

- **Field Trips:** We have equipment and supplies needed to conduct stream, lake, pond, and wetland monitoring and will help grades 4-12 conduct field trips as requested.

- **After School Programs:** We are available to work with school-based clubs to conduct hands on activities and water-related Community Action Projects.

### **Teacher Training and Support:**

- **Teacher Workshops:** We partner with other organizations to conduct workshops on nationally known curricula including: Project WET, Project WILD, Project WILD Aquatic, WOW The Wonders of Wetlands, Healthy Water Healthy People. In addition we conduct specialized training programs of our own. We always try to fund raise to keep costs low, but most teacher training programs require a registration fee per teacher to attend. Here are some of the programs we offer:

**1) Make A Splash** – This four-day workshop series is offered as requested. Teachers learn how to organize and conduct a water quality monitoring project on a local stream with your students, and how to share those results with your community! This comprehensive four-day workshop is designed to meet the needs of both novice and experienced teachers and to correlate with Ohio's new Academic Standards. Each day is designed as a separate workshop: Day 1: Water Quality: The Big Picture; Day 2: Creating and Using Maps; Day 3: Using Testing Kits to Evaluate Stream Health; and Day 4: Measuring Stream Health Using Water "Critters."

**2) Splash Connections** – This is a four-day workshop series. Three workshops "connect" teaching about water to the Ohio Academic Content Standards by grade range (3-5, 6-8, and 9-12). The fourth workshop shows how to teach to the standards when monitoring stream and pond habitats. Teachers are introduced to hands on activities that work well both in and outside the classroom in addition to many field trip and community service project ideas. All activities used are correlated to the standards for each grade level.

### **2007 Splash "Connections" Teacher Training Workshops**

Looking for fun, creative, hands-on science activities that are already correlated to Ohio's Academic Content Standards?

Greenacres Foundation, Hamilton County Soil and Water Conservation District, and the University of Cincinnati Center for Economic Education are offering 4 daylong workshops. Each one-day workshop is free to Hamilton County Teachers and cost \$10 for all others. Registration includes resource materials, activity supplies, and snacks. Reduced price UC Graduate Credit is available for \$185 per hour. Contact Anne Lyon at (513) 891-4227 or [alyon@green-acres.org](mailto:alyon@green-acres.org) for more information.

***Saturday Workshops:***

**Sat, 3/31/07:** Monitoring Streams, Ponds, Lakes & Wetlands (gr. 3-12)

***Summer Workshops:***

**Tues 6/19/07:** Water, Weather, Wildlife, & Food chains (gr. 3-5)

**Wed 6/20/07:** Diversity, Weather, Earth Systems & Change (gr. 6-8)

**Thurs 6/21/07:** Human Impacts, Data Interpretation, Maps & Technology (gr. 9-12)

**Fri 6/22/07:** Monitoring Streams, Ponds, Lakes & Wetlands (gr. 3-12)

**Downloadable Info:**

Splash Connections Flyer 2006 (link to Splash Connections Flyer 2006.pdf)

Splash Connections Registration Form 2006 (link to Splash Connections Registration 2006)

**3) Water Properties:** This daylong workshop was designed for Cincinnati Public Schools for grades 3-4. It focuses on the physical properties of water and correlated with Ohio's Academic Content Standards for these grades. This workshop can be conducted for any school system as requested.

**4) Aquatic Ecology for the Classroom:** This workshop was developed for the Science Alliance Program and includes 4 half-day sessions. Sessions include: Riparian Zones; Stream Life; Pond Life; and Fish Ecology. They focus on how to teach about water environments without leaving the classroom. One or more of these sessions can be conducted for any school system as requested.

**5) Project WET, Project WILD, Project WILD Aquatic, WOW: The Wonders of Wetlands, Project Learning Tree, and Healthy Water Healthy People workshops.** Greenacres is an Ohio Facilitator for all of these programs and we can conduct a workshop for grade levels 3-5, 6-8, and/or 9-12 upon request from any of these curricula. We also periodically receive grant funding to conduct these workshops for a nominal fee to teachers and other nonformal educators. Announcements will be posted on this website.

**2007 Project WILD Workshop**

Greenacres Foundation and Butler County Soil and Water

Conservation District are hosting a Project WILD Workshop on March 16 with the location to be announced. Registration will begin at 8:00 a.m. and the workshop will run from 8:30 a.m. – 3:30 p.m. The workshop is will cost \$10 for all others and registration includes Project WILD curricula, resource materials, activity supplies, and snacks. Reduced price UC Graduate Credit is available for \$185 per hour. Contact Anne Lyon at (513) 891-4227 or [alyon@green-acres.org](mailto:alyon@green-acres.org) for more information.

• **Website Support:** Greenacres Foundation is the webmaster for the new Greater Cincinnati Environmental Educators website. 30 local environmental education organizations are represented on the site and you can link to their websites via this page. This website contains information about teacher workshops and professional development. It also includes information about other environmental events including festivals and fairs, lectures, cleanups, tree plantings, and more. To visit this website, go to: [www.gcenvironmentaleducators.org](http://www.gcenvironmentaleducators.org) or [www.greatercincinnatienvironmentaleducators.org](http://www.greatercincinnatienvironmentaleducators.org)

**COMMUNITY OUTREACH:** includes citizen monitoring, community education, conferences & symposiums, and festivals, streamwalks, cleanups, tree plantings, watershed sign installation, & special events.

• **Saturday Stream Snapshot Citizen Monitoring Program**  
- On the Second Saturday of every month trained citizens collect water samples from their neighborhood streams in the Lower Little Miami Watershed. These samples are transported to the Little Miami River Lab where volunteers under the supervision of trained lab analysts process them for pH, conductivity, nutrients, sediment, and bacteria. These data are entered into the Little Miami Volunteer Database. Data are used in watershed planning and protection activities and to identify water quality problems. The program starts its fifth year March 10th Monitoring the Lower Little Miami River - Come join the fun!

We need volunteers to collect the samples, serve as runners to transport samples to the lab, and to analyze samples in the lab. Every Saturday at 9:30 a.m. we will present an overview of the project, train volunteers to collect water samples, give a tour of the lab, and provide new volunteers with sample containers "Saturday Stream Snapshot" dates for 2006 are: 3/10, 4/14, 5/12, 6/9, 7/14, 8/11, 9/8, 10/13, and 11/10. Samples need to be collected before 10:00 a.m. and placed in coolers or brought to the lab by 12 Noon. Macroinvertebrate Monitoring Trainings will be offered 6/9 and 8/11 at 2:00 p.m. Citizen Habitat Quality Evaluation Trainings (CQHEI) will be held 4/14 and 8/11 at 3 p.m.

Please visit us at the new River Lab located on 211 Railroad Avenue in downtown Loveland, OH to the left of Nisbet Park. The lab is open the Second Saturday of the month from 9:30 a.m. – 2:30 p.m. To get the lab, take Interstate 275 to the Loveland Madeira Exit 52 and turn left toward Loveland. Travel

down Loveland-Madeira Road, approximately 4 miles until you come to the light on Loveland Avenue. Turn Right onto Loveland Avenue and travel to downtown Loveland. Turn left on Railroad Avenue between Loveland Mill and Paxton's Grill and drive to the end by the park. The last building on your left is the Little Miami River Scenic River and Trail Center. The River Lab is behind the Trail Center and can be entered from the deck – it is the far door. For more information or to sign up as a volunteer, contact Anne Lyon, Greenacres Foundation (513) 891-4227 ext. 225 or [alyon@green-acres.org](mailto:alyon@green-acres.org).



### **Greenacres River Lab Grand Opening April 2003**

#### **SSS Information:**

[SSS 2007 Schedule](#)

[SSS 2006 Data](#)

[SSS 2006 Data Sharing Powerpoint Presentation](#)

[SSS Holds 4th Annual Data Sharing Brunch \(coming soon!\)](#)

[SSS Holds 3rd Annual Data Sharing Brunch](#)

[SSS 2003-2005 Data Summary](#)

[SSS 2005 Data Sharing PowerPoint Presentation](#)

[SSS Sites Map 2003-2005 Locations Only](#)

[SSS 2004 Data](#)

[SSS 2004 Data Sharing PowerPoint Presentation](#)

[SSS 2003 Data](#)

[SSS 2003 Data Sharing PowerPoint Presentation](#)

[SSS Lab Opening Press Release](#)

[Ribbon Cutting at River Lab Grand Opening](#)

[Loveland Herald Article on April 2005](#)

[Ohio Journal of Environmental Health Article](#)

#### **SSS Program Training Handouts:**

[SSS Program Overview](#)

[SSS Water Monitor Directions](#)

[SSS Parameter Background Information](#)

[Wadable Stream Standards](#)

[SSS Field Data Sheet](#)

## ● Citizen Action Projects:

### 1) Project SIGNS:

Greenacres was part of the steering committee to initiate the Project SIGNS (**S**igns **I**nspire **G**reat **N**eighborhood **S**treams). During late September and early October 2004, informative watershed signs were installed at over 130 stream crossing locations in southwest Ohio, northern Kentucky and southeastern Indiana. These signs identify the name of the stream being crossed and the watershed in which it is located. For more information about Project SIGNS visit: <http://www.projectsigs.info/> If you are interested in installing watershed signs in your neighborhood, contact:

#### Watershed Sign

### INDIANA

Dearborn County – Dearborn Soil and Water Conservation District

<http://www.dearbornswcd.org/>

### OHIO

Butler County – Butler County Stormwater Management District

<http://www.stormwaterdistrict.org/>

Clermont County – East Fork Little Miami River Coordinator

<http://www.clermontswcd.org/eflmr.html>

Hamilton County – Hamilton County Soil and Water Conservation District

<http://www.hcswcd.org/>

Warren County – Warren County Soil and Water Conservation District\*

<http://www.warrenswcd.com/>

### KENTUCKY

Sanitation District #1 – Northern Kentucky

<http://www.sd1.org/>

\*They use their own sign design – NOT Project Signs Design

### 10 Easy Things You Can Do to Stop Pollution of Our Creeks and Rivers Flyer

Are you looking for ways you and your family can help clean up our local rivers and streams? Then check out this flyer developed by Clermont County Soil and Water Conservation District and modified for use by Project SIGNS - Signs Inspire Great Neighborhood Streams. You can access the flyer at:

[10 Tips Flyer for Hamilton County](#)

### 2) Community Streamwalks

Community Streamwalks are organized events to document conditions of your local stream. Greenacres has partnered with organizations in Hamilton and Clermont Counties to organize these events. Participants are taught how to complete an Ohio EPA developed form called a CQHEI, which stands for Citizen

Qualitative Habitat Evaluation Index. This easy-to-use index will tell you if fish can live in your stream. Ohio is one of the few states that use bio-criteria (fish and aquatic life) to evaluate the health of our streams. Data collected at these events is supplied to Ohio EPA and other water management agencies. Repeating these events annually helps communities track changes in stream health so that measures can be taken to preserve or improve stream health. If you are interested in holding this type of event in your area, please contact [alyon@green-acres.org](mailto:alyon@green-acres.org) or call (513) 891-4227.

### **3) Cleanups**

Greenacres works with a variety of groups to organize cleanups, advertise cleanups, and solicit volunteers to help with cleanups. We advertise annual cleanups on this website. If you need help organizing an event in your community, please contact [alyon@green-acres.org](mailto:alyon@green-acres.org) or call (513) 891-4227.

### **2007 Little Miami River Challenge**

The 24th annual Little Miami Scenic River Challenge Cleanups will be held on Saturdays in June next summer (2007) from 10 a.m. – 3 p.m. weather permitting. In exchange for collecting Litter from the streambanks, participants get a free grilled lunch and t-shirts (while supplies last). For more information about next year's event, you can also call the Izaak Walton League at 683-7233 or visit [www.iwla.org](http://www.iwla.org). You can also contact participating Liveries next May and June 2007 for information or to make reservations:

Bellbrook (937) 848-4812  
Morgan's (513) 899-2166  
River's Edge (937) 862-4540  
Loveland Canoe (513) 683-4604  
Scenic River Excursions (513) 831-5552

### **East Fork River Sweep**

The 2007 East Fork River Sweep will be held April 28, 2007. For more information, please call (513) 734-4323.

### **Ohio River Sweep**

2007 River Sweep is Saturday 6/16/07 from 9 a.m. – 2 p.m. The River Sweep is organized by the Ohio River Valley Water Sanitation Commission to clean up along the banks of the Ohio River and its' tributaries and they have been organizing it since 1989. Participants receive free t-shirts while they last. For more information about the 2007 Sweep, contact: Jeanne Ison at [jison@orsanco.org](mailto:jison@orsanco.org) or call the Ohio River Sweep Hotline: 1-800-359-3977

### **4) Restoration Projects**

Greenacres Foundation has been actively involved in two restoration projects on Greenacres Foundation Property. We have also assisted citizens and communities with tree plantings, wetland plantings, rain gardens, and streambank stabilization.

**Greenacres Pond Restoration Demonstration:** We have

been restoring the riparian zone of Greenacres Pond, a pond used in our educational programming by planting native wetland/pond plants and seeding the pond with muck from other productive ponds in the area. This 5-year effort has yielded us a very nice teaching area for our on-site environmental education programs.

### **Greenacres South Ornamental Pond Algae Control**

**Project:** We have been experimenting with the use of barley straw pellets to naturally control algae and aquatic plants in a cement pond in front of the Greenacres Greenhouse on the south farm. Plans are underway to install a solar pump system to circulate water in the pond and to re-activate an old waterfall feature adjacent to the pond. A combination of both of these projects we hope will demonstrate how to effectively control unwanted algae and aquatic plants without the use of harsh chemicals and dyes.

[Greenacres South Ornamental Ponds Gets A Facelift  
Cattail Filter Being Expanded to Reduce Pollution from  
Greenacres's Cattle Operations](#)

**Rain Gardens:** Greenacres has created a portable display system to take to festivals, fairs, events, and other meetings that promotes the creation of residential Rain Gardens to capture and treat stormwater runoff before it reaches our local streams. The display is available on loan. Plans are underway to create a Rain Garden Display at Greenacres and to conduct workshops to train local residents in how to create these treasures on their own properties!

A new Greater Cincinnati Rain Garden Alliance has formed in this region to promote installation of Rain Gardens throughout the region. There will be training programs and workshops held to educate homeowners and technical professionals. A website is under construction and a link to this website from this website will be added in Spring 2007.

[Rain Gardens Greenacres Factsheet](#)  
[Rain Garden Display](#)  
[MCWCC Rain Garden Guide](#)

**Pervious Pavement:** Plans are underway install pervious pavement overflow parking lots at Greenacres new Cultural Arts Center opening in Spring 2007. We will be conducting a monitoring project after they are installed to determine their effectiveness in capturing and treating runoff when compared with traditional parking lots.

### **5) Community Service Hours**

Greenacres Water Quality Project offers a variety of community service options. The Saturday Stream Snapshot program provides opportunities to collect water samples, process samples in our high-end lab, and to enter data in the Little Miami Database. We also use student volunteers to conduct field water quality research on our special projects. In addition, we offer opportunities to assist with teacher training

workshops, festivals and fairs, and cleanups. For more information, contact [alyon@green-acres.org](mailto:alyon@green-acres.org).

- **Events, Festivals, and Fairs**

**Greater Cincinnati Environmental Educators Exhibit in the Grand Marque Tent at the Greater Cincinnati Flower Show**

Experience hands-on environmental education activities, view exciting displays, and obtain free information. This year's exhibit will feature Rain Gardens, Green Roofs, Composting & Recycling, and Native Plants. The event will be held at Coney Island on Kellogg Road at intersection with Sutton Avenue in Cincinnati, OH April 20-29, 2007. Each day members of GCEE including Greenacres will be on hand to answer questions and provide information so participants can learn how to do these projects at home or in their community. For more information about the GCEE Exhibit contact Sue Magness at [sue.magness@hamilton-co.org](mailto:sue.magness@hamilton-co.org). For more information about the flower show, visit: <http://www.cincyflowershow.com/about.asp>

**PaddleFest**

The 6th Annual PaddleFest will be held July 13-14, 2007. On July 13th there will be an Ohio River Music and Outdoor Festival from 3 - 12 pm at the Four Season Marina and a Kids Extreme Expo from 10 am - 2 pm. On July 14th there will be the 2000 Float six-mile canoe trip starting from Four Seasons Marina and ending at the Serpentine wall followed by a Finish Line party from 10:30 am - 2 pm. For more information contact Ohio River Way at: <http://www.ohioriverway.org/paddlefest/>

**Family Fishing at Greenacres**

Greenacres and the Cincinnati Chapter of the Izaak Walton League will host a Family Fishing Program at Greenacres Pond 7/21/07 from 1-3 p.m. For more information, contact Anne Lyon at (513) 891-4227 or [alyon@green-acres.org](mailto:alyon@green-acres.org). Advance registration required.

**2007 Environmental Resources Day at the Cincinnati Zoo**

Environmental Resources Day to be held 9/11/07 at the Cincinnati Zoo from 3 p.m. – 6 p.m. The fair will feature environmental education organizations throughout the Greater Cincinnati Region. For more information, contact Anne Lyon at 891-4227 or [alyon@green-acres.org](mailto:alyon@green-acres.org).

**Great Outdoor Weekend 2007**

The 3rd annual Great Outdoor Weekend will be held 9/29 and 30/07 at participating environmental and outdoor education facilities throughout the Greater Cincinnati Area. Greenacres will be coordinating activities at the Izaak Walton League Lodge Saturday 9/29 from 9 a.m. – 4 p.m. For more information, contact Anne Lyon at 891-4227 or [alyon@green-acres.org](mailto:alyon@green-acres.org) or visit the website at: <http://www.cincygreatoutdoorweekend.org/>

- **Educational Symposiums**

## **Little Miami River Partnership (LMRP) Water Quality 2007 Symposium**

The 6th annual Little Miami River Partnership (LMRP) Symposium will be held in Summer 2007. Plans are underway and more information will be posted later this spring. For more information, contact Dennis Tenwolde (513) 695-2542 or email [dtenwolde@littlemiamiriver.org](mailto:dtenwolde@littlemiamiriver.org).

### **• Technical Support**

Greenacres offers technical support in water quality education, water quality management, and water quality monitoring. We work with citizens and community organizations with a variety of water quality concerns including local pollution problems, pond/lake management issues, and understanding water quality laws and regulations such as Wastewater Treatment Plant permitting and upgrades, stormwater management alternatives, septic tanks issues, Total Maximum Daily Load Studies (TMDLs), and Watershed Action Plans. We provide education about the issue and referrals to

**Little Miami Scenic River and Trail Center:** Greenacres has been working with Little Miami Inc. (LMI) since 2005 to develop this Center including writing a grant to secure \$50,000 from the Ohio Environmental Education Fund (OEEF), heading up an Advisory Committee to plan the educational displays, and overseeing graphic artists and contractors to design and build the displays and other printed materials. The Center will open October 21, 2006. Located a few footsteps from the Little Miami Bike Trail and a short walk to the Little Miami Scenic River; the Little Miami Scenic River & Trail Center will provide visitors with a place to learn more about the Little Miami Scenic River watershed and encourage them to get involved in protecting and preserving the river. The Little Miami Scenic River & Trail Center features exciting educational and interactive exhibits for visitors and the whole family including: an interactive computer to help you find your place in the watershed, a 265-gallon aquarium that brings you face-to-face with native fish, an "Our Impacts" interactive display that introduces you to the many impacts humans have on the river, a "Take Action Now" display and computer station that allows you to plan your own project to protect and improve the river and a large screen television display that showcases successful projects and educates visitors about issues facing the river. It is our hope that citizens and organizations will use the Center to organize and implement river improvement projects. Greenacres will be on-hand to help all those who request our help. The Center will be operated by LMI and is located on 211 Railroad Avenue in Loveland, Ohio in front of Greenacres River Lab. For more information call: (513) 893-HIKE.

### **Loveland Council Cleared Path for Little Miami River & Trail Visitor Center**

### **Little Miami River Survey Results: SURVEY SHOWS PEOPLE CONCERNED ABOUT LITTLE MIAMI RIVER**

**SPECIAL PROJECTS:** Includes habitat restoration, wetland plantings, service projects, and technical support on 319 and

other watershed restoration projects.

● **Pilot Project for the Ohio EPA Credible Data Program:** Greenacres River Lab and Saturday Stream Snapshot Program were asked by Ohio EPA to help develop the new regulations for implementing the Credible Data Program. The Ohio Legislature passed a law in 2004 that requires the state to use data collected by citizens, universities, consulting firms, and private labs provided they meet a certain set of criteria. In March 2006, the new rules were official and Greenacres River Lab was asked to participate in the pilot to evaluate the new forms and processes. We are also in the process of certifying our River Lab and our volunteers as credible data providers. As a result of this program, the Saturday Stream Snapshot Data will be submitted to Ohio EPA and used to evaluate local stream conditions by water quality professionals. For more information visit the Ohio EPA website at: <http://www.epa.state.oh.us/dsw/rules/3745-4.html>

● **Great Miami River Runoff Reduction Project:** Greenacres Foundation is working with OKI Regional Council of Governments, Dr. Mike Miller of University of Tennessee Biology Department, and Colerain Township to evaluate the effectiveness of pervious pavement at the new Heritage Park on the Great Miami River in Colerain Township. We installed special sampling devices into the ground by an impervious parking lot, a pervious pavement parking lot, and in the adjacent field (control site) to collect water that has percolates into the ground. We are measuring how much parking lot runoff soaks into the ground and how much pollution is removed from when it soaks into pervious pavement and comparing this to what happens in a typical parking lot in the same park. The results of this study is part of a larger project sponsored by the Miami Conservancy to evaluate the effectiveness of various best management projects (BMPs) to control and treat polluted runoff. The project will run from spring 2005 through the fall 2006 and will use the River Lab to process the samples.

[Great Miami River Runoff Reduction Project Article](#)

● **Mill Creek Headwaters TMDL Implementation Project:** Greenacres is a part of an Ohio EPA 319 Project in the Upper Mill Creek Headwaters organized by OKI Regional Council of Governments. The goals of the Upper Mill Creek TMDL Implementation Project are to: (1) restore natural stream conditions to reduce nutrient loadings through the implementation of best management practices (BMPs); and (2) improve water quality attainment status by addressing the impairments caused by nutrient loadings, organic enrichment/DO, and habitat alterations from urban runoff, development/suburbanization, and hydromodification. Greenacres will be part of monitoring the success of the BMPs at 5 project sites using a combination of Greenacres Staff Time and volunteers. We will be working closely with Dr. Michael Miller of the University of Cincinnati and the Butler County Department of Environmental Services (DES) to conduct the monitoring program. Volunteers will be collecting samples that

are taken to Butler County DES labs. Other samples will be processed at Greenacres River Lab. The project will run from Summer 2006 to December 2008. The project will document how improving the stream corridor will reduce pollution and improve the quality of the stream to support fish and aquatic life.

**FUND RAISING:** Includes grant writing, soliciting donations to specific programs and activities, fees for technical support to fund special projects, and organizing fundraisers such as selling macro kits and kick nets.

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