

## **Miami Conservancy District's 2005 Phase II Stormwater Activities for Collaborating Communities**

### **Minimum Control Measure #1**

#### **Public Education & Outreach on Stormwater Impacts**

#### **1.3 Hold training opportunities for technical audiences &/or facilitate the attendance of key professionals at regional training opportunities**

##### **1.3a**

**Activity Title:** Low Impact Development Workshop

**Activity Description:** In November 2005, Miami Conservancy District hosted a two-day workshop titled, Low Impact Development; Protecting Water...Building Community. The event was a capstone of a two-and-a-half year effort to educate decision-makers and citizens on better stormwater management practices. The Ohio Environmental Education Fund of the Ohio Environmental Protection Agency funded the workshop.

**Start Date:** 11/17/2005

**End Date:** 11/18/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** The nation's foremost expert on Low Impact Development, Larry Coffman, formerly of Prince George's County, Maryland, facilitated the workshop. Sixty-eight people registered from 47 different organizations.

##### **1.3b**

**Activity Title:** Southwest Ohio Sediment and Erosion Control Field Day

**Activity Description:** The Southwest Ohio Sediment and Erosion Control Field Day was held on June 7, 2005 at the Warren County Career Center. This event was sponsored by Butler Soil and Water Conservation District, Hamilton Soil and Water Conservation District, Warren Soil and Water Conservation District, Miami Conservancy District and Warren County Career Center.

**Start Date:** 6/7/2005

**End Date:** 6/7/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Nearly 100 contractors and construction site inspectors attended. The format of the day included a plenary session with several guest speakers, concurrent sessions, and live outdoor demonstrations. The speakers were from Ohio EPA, The Natural Resources Conservation Service, US Army Corps of Engineers and Robin Green of Hidden Creek at the Darby.

#### **1.4 Coordinate a tour of stormwater BMPs for practitioners**

##### **1.4a**

**Activity Title:** Tour of Stormwater Best Management Practices

**Activity Description:** On September 1, 2005, the Great Miami River Watershed Network took a tour of Best Management Practices and visited several projects of the Mad River Steering Committee.

**Start Date:** 9/1/2005

**End Date:** 9/1/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** The projects on the tour included: innovative water treatment processes, agricultural projects reducing nitrate application, in-stream habitat improvements and Ohio Department of Natural Resources' Game Farm demonstrating a wetland and warm season grasses.

**Minimum Control Measure #2**  
**Public Involvement and Participation**

**2.1 Stream Team volunteer monitors collect data and report on stream health during field season**

**2.1a**

**Activity Title:** Stream Team

**Activity Description:** The Miami Valley Stream Team is a volunteer water quality monitoring program. Stream Team trainings were held to train volunteers how to monitor the health of our streams and rivers.

**Start Date:** 5/7/2005

**End Date:** 5/7/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Over thirty volunteers were trained on how to monitor stream health through water quality monitoring. These volunteers collect information on their local streams in order to increase public involvement in water quality issues; educate local communities about the relationship between land use and water quality; and provide water quality information to citizens and organizations working to protect the Great Miami Valley's rivers and streams. To learn more about the Miami Valley Stream Team, go to

[http://www.miamiconservancy.org/water/mv\\_stream.asp](http://www.miamiconservancy.org/water/mv_stream.asp)

**2.2 Great Miami River Watershed Network meets to strategize and share resources**

**2.2a**

**Activity Title:** Great Miami River Watershed Network Meetings

**Activity Description:** The Great Miami River Watershed Network met four times in 2005 to facilitate resource-sharing and limit duplication of effort.

**Start Date:** 3/3/2005

**End Date:** 3/3/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Approximately 40 people attended the meeting which included: MCD water quality credit trading progress report, US EPA targeted watershed grant update, an update from MVRPC on Air Quality Advisory Committee and Area-wide Facility Planning Sub Committee and a presentation by Greenways of Greater Dayton. A list of attendees, the agenda and meeting minutes are available via Miami Conservancy District's web-site at

[http://www.miamiconservancy.org/water/gmrw\\_network.asp](http://www.miamiconservancy.org/water/gmrw_network.asp)

**2.2b**

**Activity Title:** Great Miami River Watershed Network Meetings

**Activity Description:** The Great Miami River Watershed Network met four times in 2005 to facilitate resource-sharing and limit duplication of effort.

**Start Date:** 6/2/2005

**End Date:** 6/2/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Approximately 45 people attended the meeting which included: an update on the US EPA targeted watershed grant, a report on the progress of MCD's water quality credit trading program and a presentation on Ohio Water Resource Protection by Sam Speck, Director of the Ohio Department of Natural Resources. A list of attendees, the agenda and meeting minutes are available via Miami Conservancy District's web-site at

[http://www.miamiconservancy.org/water/gmrw\\_network.asp](http://www.miamiconservancy.org/water/gmrw_network.asp)

**2.2c**

**Activity Title:** Great Miami River Watershed Network Meetings

**Activity Description:** The Great Miami River Watershed Network met four times in 2005 to facilitate resource-sharing and limit duplication of effort.

**Start Date:** 9/1/2005

**End Date:** 9/1/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Approximately 22 people attended the meeting which included a Best Management Tour of projects in the Upper Mad River Watershed. The projects on the tour included: innovative water treatment processes, agricultural projects reducing nitrate application, in-stream habitat improvements and Ohio Department of Natural Resources' Game Farm demonstrating a wetland and warm season grasses. A list of attendees, the agenda and meeting minutes are available via Miami Conservancy District's web-site at

[http://www.miamiconservancy.org/water/gmrw\\_network.asp](http://www.miamiconservancy.org/water/gmrw_network.asp)

**2.2d**

**Activity Title:** Great Miami River Watershed Network Meetings

**Activity Description:** The Great Miami River Watershed Network met four times in 2005 to facilitate resource-sharing and limit duplication of effort.

**Start Date:** 12/1/2005

**End Date:** 12/1/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Approximately 34 people attended the meeting which included: a US EPA targeted watershed grant update, a progress report on MCD's water quality credit trading program, an update on the MVRPC Area-wide Facility Planning Sub Committee, Darke County Health Department's septic system project, Miami County's Health Department septic system project and Ohio's new septic system rules. A list of attendees, the agenda and meeting minutes are available via Miami Conservancy District's web-site at

[http://www.miamiconservancy.org/water/gmrw\\_network.asp](http://www.miamiconservancy.org/water/gmrw_network.asp)

**2.4 Support existing water festivals for children and the general public**

**2.4a**

**Activity Title:** Children Water Festival in Dayton, Ohio

**Activity Description:** Miami Conservancy District supported the 2005 Children's Water Festival by being a member of the planning committee with the responsibility of recruiting and coordinating presenters, giving one presentation, providing a volunteer and a monetary donation.

**Start Date:** 5/11/2005

**End Date:** 5/11/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Miami Conservancy District presented to approximately 100 children on using your senses to determine surface water quality. MCD also supported the festival financially with a cash donation of \$1000 and a staff leadership role valued at approximately \$1600. This person recruited and coordinated over 40 volunteers and educational programs.

**2.4b**

**Activity Title:** Butler County WaterFest

**Activity Description:** Miami Conservancy District supported the Butler County WaterFest with a monetary donation and provided eight 30-minute presentations.

**Start Date:** 10/15/2005

**End Date:** 10/15/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Miami Conservancy District presented to approximately 200 children. The presentation topics included the diversity of values and opinions surrounding water use and groundwater and the permeability of soils. MCD also supported the festival financially with a cash donation of \$1000.

**Minimum Control Measure #3**  
**Illicit Discharge Detection and Elimination**

**3.1 Become familiar with storm sewer system**

**3.1a**

**Activity Title:** Outfall Identification

**Activity Description:** Outfall identification included the following: gathering existing storm sewer maps and other data on known outfall locations from municipalities, field locating the outfalls and establishing coordinates using GPS receivers, gathering pertinent information about each outfall including digital photograph, description and receiving stream, and entering data into the Phase II Application and Database Information System (PADIS).

**Start Date:** 1/24/2005

**End Date:** 1/24/2006

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** In 2005, Miami Conservancy District located outfalls in the City of Springfield and West Milton. In addition, The University of Dayton's Berry Scholars completed a community project and identified outfalls in the Wolf Creek Watershed. The students worked in partnership with cities, the Wolf Creek Stream Team and The Miami Conservancy District, recording the location of storm sewer outfalls as part of their studies at the University of Dayton. During this project, the students identified outfalls in the Cities of Clayton, Dayton, Englewood and Trotwood.

**BONUS ACTIVITIES**

**Activity Title:** Healthy Water Healthy People Workshop

**Activity Description:** A partnership developed to educate Dayton's young people about the health and value of our local rivers. This partnership was between Dayton Public Schools, Miami Conservancy District, Boonshoft Museum of Discovery, the Montgomery Soil and Water Conservation District, Montana State University, Rotary Club of Dayton and the Environmental Education Council of Ohio.

**Start Date:** 2/24/2005

**End Date:** 5/12/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** On February 24, 2005 a Healthy Water Healthy People (HWHP) Workshop was conducted at Adventure Central in Dayton, Ohio. Approximately 20 teachers from Dayton Public Schools attended the workshop to learn the HWHP curriculum. All participants received a HWHP Educator's Guide, a Test Kit Manual and a Watershed Testing Kit and three Rivers, Streams, Ponds and Lakes Testing Kits were given to Dayton Public Schools. In addition, two evening sessions were conducted to show teachers how to use the testing kits and activities in the stream.

**Activity Title:** Preble County Earth Day Event

**Activity Description:** Miami Conservancy District staff gave eight 25-minute presentations at the Preble County Earth Day event.

**Start Date:** 4/21/2005

**End Date:** 4/21/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Miami Conservancy District presented to approximately 160 sixth-graders on groundwater and the permeability of various soils.

**Activity Title:** Honey Creek Watershed Festival

**Activity Description:** Miami Conservancy District supported the Honey Creek Watershed Festival with a monetary donation and participated with a display.

**Start Date:** 4/23/2005

**End Date:** 4/23/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** The Honey Creek Watershed Festival was held on April 23, 2005. The event included student presentations, educational displays and other activities. Miami Conservancy District supported the festival with a \$500 cash donation. It is estimated that 600 people were in attendance at the festival. To find out more about the Honey Creek Watershed Festival, visit <http://www.miamicountyparks.com/Honey%20Creek%20Watershed/Honey%20Creek%20Watershed%20Festival.htm>

**Activity Title:** River Days

**Activity Description:** The Great Miami River Days was held on September 10, 2005. The event was a regional celebration that encouraged visitors to gain a better appreciation for the Great Miami River and its resources, to help protect the beauty of the river and its corridor, to encourage recreational opportunities and to recognize the Great Miami River as an important natural amenity.

**Start Date:** 1/24/2005

**End Date:** 9/10/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Miami Conservancy District supported River Days with a monetary cash donation of \$500 and served on the planning committee. Featured that day was a 2000 gallon river fish tank, dozens of interactive displays, a fishing derby and educational entertainers. It is estimated that between 5,000 and 10,000 people attended the festival. To find out more about River Days, visit <http://www.greatmiamiriverdays.org/>

**Activity Title:** Stream Testing Equipment Donated

**Activity Description:** Miami Conservancy District donated \$1000 worth of water quality testing equipment to Honey Creek Watershed Association.

**Start Date:** 4/12/2005

**End Date:** 4/12/2005

**Lead Responsible Party:** Miami Conservancy District

**Result Statement:** Miami Conservancy District donated water quality testing equipment to Honey Creek Watershed Association to increase public involvement in water quality issues, educate local communities about the relationship between land use and water quality and provide water quality information to citizens and organizations working to protect the Great Miami Valley's rivers and streams.