



Phase II Storm Water Collaborative Effort Progress Report August 2004

You're invited to a BMP Tour

Join us Thursday, Sept. 2, at 1:30 p.m. at The Miami Conservancy District headquarters, 38 E. Monument Ave., for a walking tour of Dayton's storm water management program. The tour will focus on illicit-discharge detection and elimination procedures that help the city detect, contain, and eradicate unlawful dumping of waste through the storm sewer system. Following the tour, you're invited to share a picnic and Dragons game with us at a cost of \$7 per person. Reservations are required. This is a partnership with the Great Miami River Watershed Network. For complete information, go to our website at

www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/Default.htm

ATTENTION: Appendix 7 Communities

Appendix 7 Communities are expected to be designated this winter or early next year. Ohio EPA will send a letter notifying these jurisdictions that they have 180 days to complete a Storm Water Management Program and submit it with a Notice of Intent. In the Great Miami River Watershed, communities appearing on Appendix 7 include Bellefontaine, Greenville, Oxford, Piqua, Sidney, and Urbana. For a complete list, go to www.epa.state.oh.us/dsw/storm/2000_App_7_List.pdf

Joint training with Home Builders Association

The Miami Conservancy District partnered with the Home Builders Association to present a series of sediment- and erosion-control trainings. Three trainings were conducted with the participation of 80 to 90 storm-water managers, contractors, and local inspectors at each one. The first was titled, "Staying Out of Trouble 101" and was held on April 15. The second we called, "Seed It, Sod It or Leave It Alone" and was held on May 13. The third and final session was held June 10 and was titled, "Common Myths About Sediment and Erosion Control." To access the agendas and presentations from each training session, go to

www.miamiconservancy.org/phaseII/Work_Sessions.htm

At the final session, Ohio EPA requested that The Miami Conservancy District develop a working group to continue dialogue between Ohio EPA, builders, developers, and Phase II communities. Rapidly Developing Watershed communities are particularly interested in developing their sediment and erosion control programs since the deadline to implement construction-related elements of OEPA's program is just over a year away. Further information will be shared regarding the working group's progress toward "flexible consistency" of sediment and erosion control programs throughout the watershed.

Stream Team

Stream Team, a volunteer stream-monitoring program, is a Miami Conservancy District initiative that is looking for partnerships with local organizations. Five Rivers MetroParks, Wolf Creek Stream Team, Honey Creek Watershed Association, and the Middle Great Miami Watershed Alliance have all launched volunteer monitoring programs in the last few years. A Stream Team training event is planned for this fall. Please contact Sarah Hippensteel (937) 223-1271 if you are interested in attending or would like partnership information.

Summer River Clean ups

Several river clean-ups have already occurred in the Great Miami River Watershed, thanks to hundreds of committed volunteers, business partners, and local jurisdictions. Communities who donated services are Concord Township, Newton Township, West Milton, Union, Englewood, Sidney, Piqua, Troy, Tipp City, Vandalia, Huber Heights, Franklin, Springboro, Darke County, Shelby County, Miami County, and Montgomery County.

Here is a list of the 2004 river clean-up accomplishments:

Stillwater River Clean up (Pleasant Hill to Dog Leg Road): July 23
6 tons and 54 tires

Great Miami River Clean up (Piqua to Miamisburg): July 30
12 tons, including tires

Great Miami River Sweep (Sidney to Piqua): July 31
4 tons and 150 tires (approximate figure)

River Beautiful (Indian Lake to Sidney): August 14
Results not yet compiled

2004 RiverSmart Campaign

The Miami Conservancy District has partnered with RiverSmart for a second year of Public Service Announcements (PSAs). The PSA is airing on Channels 22 and 45. You can catch it during *The Today Show*, *The Tonight Show*, and various sporting events. It will air 255 times between June 7 and Sept. 25. The RiverSmart TV PSA is viewable via Miami Conservancy District's website.

www.miamiconservancy.org/Great_Miami_River_Watershed/Educational_Resources/Default.htm

PowerPoint Presentations Available

Regarding general storm water and Phase II information: Dick Wagar, who is with the Miami County Engineer's Office, created an outstanding PowerPoint presentation to educate the public, elected officials, and staff about storm water. If you are interested in using this presentation within your jurisdiction, Dick has generously allowed us to share it with you via Miami Conservancy District's web site. www.miamiconservancy.org/phaseII/Resources.htm

Regarding sediment and erosion control: View or download the presentations made during the "Erosion: Pay Now or Pay Later!" series held jointly with the Home Builders Association of Dayton and the Miami Valley. www.miamiconservancy.org/phaseII/Work_Sessions.htm

Regarding post-construction run-off control: Kyle Dreyfuss-Wells of the Chagrin River Watershed Partners recently presented a slide show of his organization's successes – with their northeast Ohio constituent communities – in instituting certain riparian zone setbacks and other watershed conservation measures. To view or download their PowerPoint, go to www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm and click on the link from the June 9 meeting.

Warning: some of these presentations are very large files.

Pollution Prevention / Good Housekeeping

Thanks to Christine Pence's (Clark County Soil & Water Conservation District) research, we have a few links to materials and reference materials on good housekeeping and pollution prevention. Please consider taking advantage of these resources when developing and implementing that measure in your jurisdiction.

Pollution Prevention/Good Housekeeping for Municipal Operations – This site contains useful fact sheets.

<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/poll.cfm>

Storm Water Pollution Prevention Training - PowerPoint Presentation Link
<http://www.cityofmemphis.org/images/Storm.ppt>

Employee Guide and Video Link:
<http://www.lastormwater.org/pages/ctyemply.htm>

"Profit Through Prevention: Best Environmental Practices for Fleet Maintenance," a 35-minute EPA video
<http://yosemite.epa.gov/ncepihom/nsCatalog.nsf/7cd1b64da384615b85256bb8006c846e/251713c03450b96185256eef0053f2fa!OpenDocument>

Pollution Prevention: A Guide for Local Government
http://bookstore.icma.org/obs/showdetl.cfm?DID=7&Product_ID=322
Cost is \$28.00

PADIS (Phase II Application & Database Information System) Survey

For PADIS to better serve your needs, The Miami Conservancy District drafted a survey to determine which new features would be most useful to users. The survey will be sent to you separately in the next few weeks. Please take the time to respond so that we may tailor future modules to your needs.

Phase II Annual Report: 2004

Based on what you're telling us, it appears as if most of the collaborating communities' annual Phase II Storm Water reports were submitted on time. If you spent more time than you'd like in the final weeks typing and searching for information, remember PADIS can help. Entering accomplishments as they occur will greatly simplify the process. Yes, this may be easier said than done, but it will help you in those few weeks prior to submitting your report. If you need help using PADIS, please contact Theresa McGeady at 937-223-1271.

Mid-year Annual Report Update for Phase II Collaborating Communities

To keep you updated on how The Miami Conservancy District is implementing commitments made for collaborating communities, below you will find BMPs completed by Miami Conservancy District on your behalf in 2004. These activities have been provided so that you may enter them into PADIS at your earliest convenience.

DayStorm Software

Below is information regarding software created by engineers at the University of Dayton. The Miami Conservancy District does not endorse any product but provides this information to you as a courtesy.

Engineers at the University of Dayton have developed a software tool that can assist communities that wish to model the hydraulic performance of their storm sewer systems. The tool combines ArcGIS 8.1 and EPA's Storm Water Management Model (SWMM). The application permits users to easily supply the history of flow to selected inlets, conduct a simulation, and determine the temporal variation of the specified flow throughout the storm sewer system. No knowledge of the SWMM program is necessary. The program was developed to provide emergency response teams an easy-to-use tool that is capable of tracking accidental spills and discharges into storm sewer systems. Researchers at UD wish to build on the model to include additional features such as identifying the most likely source of illicit discharges into a storm sewer system. Individuals interested in learning more about this free tool can contact Dr. Don Chase at (937) 229-3847.

PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

Minimum Control Measure #1

| Best Management Practice | Measurable Goal | Time Line | Responsible Party | Status | Section Number |
|---|--|---|---|----------|----------------|
| *Hold training opportunities for technical audiences &/or facilitate the attendance of key professionals at regional training opportunities | Hold two trainings annually for 10 people per training | Start Date: 3/10/2003 End Date: 3/24/2008 | Miami Conservancy District - Watershed Team | Complete | 1.3 |

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

Start Date: 4/15/2004 **End Date:** 4/15/2004

Activity Title: Staying Out of Trouble 101

Activity Description: Miami Conservancy District teamed with the Home Builders Association of Dayton and the Miami Valley to host a three-part series about effective sediment and erosion control on construction sites and how to minimize the financial impact to your company, organization or constituents. For more information on the training series, please go to Miami Conservancy District's web-site at www.miamiconservancy.org/phaseII/Work_Sessions.htm

Result Statement: Eighty-five people attended this session. The first of the series, "Staying Out of Trouble 101" included Chris Cotton from the Ohio EPA on Inspection and Enforcement, Kip Brown from Miami Valley Fly Fishers on the importance of keeping the rivers clean, and Greg Vreeland from the HBA on how to stay out of trouble. He also showed some sediment- and erosion-control devices. You can access the agenda, attendees, feedback and presentations at www.miamiconservancy.org/phaseII/Work_Sessions.htm

Start Date: 5/13/2004 **End Date:** 5/13/2004

Activity Title: Seed it, Sod it, or Leave it Alone

Activity Description: Miami Conservancy District teamed with the Home Builders Association of Dayton and the Miami Valley to sponsor a three-part series about effective sediment and erosion control on construction sites and how to minimize the financial impact to your company, organization or constituents. For more information on the training series, please go to Miami Conservancy District's web-site at www.miamiconservancy.org/phaseII/Work_Sessions.htm

Result Statement: Eighty-five people attended this session. The second of the series, "Seed It, Sod It, or Leave It Alone" included a presentation on, "Erosion and Sediment Control, A Step-By-Step Process," by Greg Vreeland from the Home Builders Association. You can access the agenda, attendees, feedback and presentations at www.miamiconservancy.org/phaseII/Work_Sessions.htm

Start Date: 6/10/2004 **End Date:** 6/10/2004

Activity Title: Common Myths About Sediment and Erosion Control

Activity Description: Miami Conservancy District teamed with the Home Builders Association of Dayton and the Miami Valley to host a three-part series about effective sediment and erosion control on construction sites and how to minimize the financial impact to your company, organization or constituents.

Result Statement: About 80 people attended this session. The third and final of the series, "Common Myths about Silt Fences and Inlet Protection," included presentations from Chris

Cotton (Ohio EPA), Greg Vreeland (Home Builders Association), Dusty Hall (Miami Conservancy District), Christine Pence (Clark SWCD), Tom Winston (Ohio EPA), Dave Bohardt (Home Builders Association), and Angela Manuszak (Miami Conservancy District). You can access the agenda, attendees, feedback and presentations at www.miamiconservancy.org/phaseII/Work_Sessions.htm

PUBLIC INVOLVEMENT/PARTICIPATION

Minimum Control Measure #2

| Best Management Practice | Measurable Goal | Time Line | Responsible Party | Status | Section Number |
|--|---|--|---|-------------|----------------|
| *Great Miami River Watershed Network meets to strategize and share resources | Three meetings per year | Start Date: 3/10/2003 End Date: 3/24/2008 | Miami Conservancy District - Watershed Team | In Progress | 2.2 |
| *Support existing water festivals for children and the general public | Participate in two festivals throughout the Great Miami River Watershed | Start Date: 3/10/2003 End Date: 3/24/2008 | Miami Conservancy District - Watershed Team | Complete | 2.4 |

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

Start Date: 3/4/2004 **End Date:** 3/4/2004

Activity Title: Great Miami River Watershed Network Meetings

Activity Description: The Great Miami River Watershed Network meets to facilitate resource-sharing and limit duplication of effort.

Result Statement: About 45 people attended this meeting at Payne Recreation Center in Moraine. Topics discussed at this meeting included the US EPA Watershed Initiative Grant Update, MVRPC work update, Strategic Planning for 2004-2005, Great Miami River Watershed NAWQA (presented by USGS) and a roundtable discussion. A list of attendees, the agenda and meeting minutes are available via Miami Conservancy District's web-site at www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm

Start Date: 6/9/2004 **End Date:** 6/9/2004

Activity Title: Great Miami River Watershed Network Meetings

Activity Description: The Great Miami River Watershed Network meets to facilitate resource-sharing and limit duplication of effort.

Result Statement: About 50 people attended this meeting at Brukner Nature Center in Troy to participate in a discussion with Kyle Dreyfuss-Well, Executive Director of the Chagrin River Watershed Partners. Discussions also were held regarding nutrient trading, grant opportunities, wastewater facility planning process, and local fundraising. A list of attendees, the agenda and meeting minutes are available via Miami Conservancy District's web-site at www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm

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

Start Date: 5/5/2004 **End Date:** 5/5/2004

Activity Title: Children's Water Festival, Dayton, Ohio

Activity Description: The Miami Conservancy District supported the Children's Water Festival with a monetary donation; by sitting on the planning committee, with the responsibility of recruiting and coordinating presenters; by giving two separate presentations at the festival; and by providing one volunteer.

Result Statement: The Miami Conservancy District made a presentation to about 330 children on flooding, rain gauges, dams, and using your senses in determining surface-water quality. The Miami Conservancy District also supported the festival financially with a cash donation of \$1,000 and a staff leadership role valued at approximately \$1,600. This person recruited and coordinated more than 40 volunteer educational program presenters.

Start Date: 4/17/2004 **End Date:** 4/17/2004

Activity Title: Honey Creek Watershed Festival

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

Result Statement: The Miami Conservancy District donated \$500 to the Honey Creek Watershed Festival.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

Minimum Control Measure #3

| Best Management Practice | Measurable Goal | Time Line | Responsible Party | Status | Section Number |
|--|---|---|---|-------------|----------------|
| *Become familiar with storm sewer system | Identify location of 100% of required outfalls in the Great Miami River Watershed | Start Date: 3/10/2003 End Date: 3/10/2006 | Miami Conservancy District - Rivers & Streams | In Progress | 3.1 |

3.1 *Become familiar with storm sewer system

Start Date : 2/4/2004 **End Date:** 2/9/2004

Activity Title: Outfall Identification in Moraine, Ohio

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 all information into the PADIS database.

Result Statement: The Miami Conservancy District staff located 22 outfalls in Moraine. This included collecting coordinates, digital photograph, description and receiving stream. This data was then entered into the PADIS database.

BONUS:

*** Broadcast 30-second Public Service Announcement on local television about human impacts to storm water**

Start Date: 6/7/2004 **End Date:** 9/25/2004

Activity Title: Public Service Announcement

Activity Description: The Miami Conservancy District partnered with the national non-profit organization, River Network, to create a campaign informing residents of their connection to local streams. In addition to reaching residents of the 51 Phase II regulated communities – who will save the expense of implementing the program individually—The Miami Conservancy District was able, at no added cost, to reach Montgomery, Greene, Butler, Preble, Darke, Miami, Shelby, Champaign, Logan, Mercer, Clark, and Warren counties as well as the western side of Hamilton County.

Result Statement: The public service announcement aired 255 times between June 7 and September 25, 2004. Based on information from our media partners, we estimate conservatively that 484,000 individuals saw or heard one or more pieces of the RiverSmart campaign this summer. The RiverSmart TV public service announcement is viewable via the Miami Conservancy District website at

www.miamiconservancy.org/Great_Miami_River_Watershed/Educational_Resources/Default.htm