

Butler County Storm Water District

Butler County, Ohio



NPDES Phase II Annual Report Permit Year 2003

Ohio EPA General NPDES General Permit: OHQ000001

Ohio EPA Facility Permit Number: 1GQ00051*AG

Effective: April 7, 2003 - April 6, 2008

Butler County Storm Sewer District

Certification

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Gregory J. Wilkens, P.E., P.S.
Storm Water Engineer
Butler County

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INTRODUCTION

The U.S. Environmental Protection Agency (EPA) in December 1999, initiated rules that after March 10, 2003 required local communities to implement and administer an NPDES Phase II Storm Water Program. This “unfunded mandate” requires that all local communities within specified urbanized areas must institute six minimum control measures and establish Best Management Practices (BMP’s) to substantially reduce storm water pollution to our lakes, rivers and streams.

In 2002, Butler County initiated a study to evaluate methods to address these new federal regulations. A Steering Committee was formed with representatives from many of the local governments in the County, including ten of the thirteen townships, five cities and one village, along with other interested parties including the Chamber of Commerce, developers, the Farm Bureau, conservation groups and the Ohio EPA. Over a nine month period, this group reviewed a number of issues including the NPDES Phase II permit requirements, alternative management structures to address this regulation, as well as methods and limits for program funding.

Based upon the recommendation of this Steering Committee, the Butler County Commissioners approved legislation in March 2003 to form the Butler County Storm Water District under Section 6117 of the Ohio Revised Code (ORC). The Commissioners also authorized submitting a permit application to Ohio EPA by March 10, 2003.

On April 7, 2003, the Ohio EPA issued a letter stating that the Butler County Storm Water District was approved for coverage under Ohio EPA NPDES General Permit OHQ000001.

Therefore, in fulfillment of the NPDES Phase II permit reporting requirements, the Butler County Storm Water District (Ohio EPA Facility Permit Number 1GQ00051*AG) submits the following report to the Ohio EPA which includes the status of compliance with the permit conditions, an assessment of the appropriateness of the BMPs and progress towards achieving the measurable goals for each of the six minimum control measures. The report includes a summary of the activities to be undertaken during the next reporting cycle, including an implementation schedule. As required, the report also will include any changes to BMPs or measurable goals and results of information collected and analyzed, if any, during the reporting period. The report will also contain proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements. Details will include notice of where we are relying on another government entity to satisfy some of our permit obligations, if applicable.

PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS
Minimum Control Measure #1

Public Education and Outreach on Storm Water Impacts				
Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities to the community, in accordance with 3.2.1.1 of Ohio's General Permit.				
Section Number	BMP	Measurable Goal	Time Line	Responsible Party
1.1	Media Awareness Packet	Annually prepare at least one Press Release Packet and distribute to Local Media	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
1.2	Education Program for Local Schools	Adopt and distribute K-12 Water Curricula Program within 5 years.	Start Date: 4/7/2003 End Date Permit Expiration	Butler County Storm Water District
1.3	Storm Drain Labeling	Purchase and coordinate installation of 300 labels per year until all basins in District are marked, beginning year 2.	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
1.4	Document Decision Process	Document Decision Process	Start Date: 4/7/2003 End Date Permit Expiration	Butler County Storm Water District

1. Public Education and Outreach on Storm Water Impacts

1.1 Media Awareness Packet

1.1a Media Release Packet
Date: 2/6/2003

On February 6, 2003, the Butler County Storm Water District developed and distributed a News Release regarding the NPDES Phase II program and the formation of the Storm Water District. In an effort to inform all the citizens and business owners within the District, the media release was distributed to nine separate newspapers, distributed to local radio and TV stations and posted on the Storm Water District website. Based on the circulation information obtained from the newspapers that were sent the media release, we conservatively estimate that a minimum of 390,000 people received information regarding the NPDES Phase II program and Butler County Storm Water District. We also fax news releases to all radio and TV stations in Cincinnati, Butler County and a select few in Dayton. All news releases are also posted on our web site, which at last count was receiving about 300-400 hits per day. To view News Release Information, please visit our website: www.stormwaterdistrict.org

1.1b Media Release Packet
Date: 9/4/2003

On September 4, 2003, the Butler County Storm Water District developed and distributed a News Release regarding the NPDES Phase II program and the formation of the Storm Water District. In an effort to inform all the citizens and business owners within the District, the media release was distributed to nine separate newspapers, distributed to local radio and TV stations and posted on the Storm Water District website. Based on the circulation information obtained from the newspapers that were sent the media release, we conservatively estimate that a minimum of 390,000 people received information regarding the NPDES Phase II program and Butler County Storm Water District. We also fax news releases to all radio and TV stations in Cincinnati, Butler

County and a select few in Dayton. All news releases are also posted on our web site, which at last count was receiving about 300-400 hits per day. To view News Release Information, please visit our website: www.stormwaterdistrict.org

1.2 Education Program for Local Schools

1.2a Draft a Water Curricula Program for children in grades 10-12

Date: 11/4/2003

The Butler County Storm Water District, in conjunction with the Butler Soil and Water Conservancy District, reviewed and adopted the "Project WET Curriculum and Activity Guide" to be used as the Water Curricula Program for children in grades 10-12. In order to develop a Water Curricula Program that would satisfy local school and state teaching standards as well as accommodate diverse learning styles and provide educators with a large selection of creative teaching strategies, the Butler County Storm Water District reviewed and adopted the "Project Wet Curriculum and Activity Guide".

1.3 Storm Drain Labeling

1.3a Storm Drain Labeling

Date: 4/7/2004 - Permit Expiration

Beginning Permit Year 2(2004), the Storm Water District will purchase and coordinate installation of 300 labels per year until all basins in District are marked. Activity to begin Permit Year 2 (2004). Please refer to Storm Water Management Plan Implementation Matrix.

1.4 Document Decision Process

1.4a Butler County Storm Water Study

Date: 3/28/2003

The Butler County Storm Water District has documented the decision process used for compliance and implementation of NPDES Phase II regulations. The activities documented in the 350+ page study include: formation of a Steering Committee, creation of an ORC 6117 Storm Water District, County Wide Base Line Study, Level of Service development, Cost of Service Development, 5 Year Implementation Matrix, Rate Structures, Phase II Funding Plan, Permit Application and Implementation Plan, Elected Officials Workshop, Commissioner Pre-Approval Meeting, Commissioner Final Approval Meeting, Timeline, and Permit Application. (For detailed information, Butler Storm Water Study is available upon request.)

1.4b Phase II Application & Database Information System (PADIS)

Date: 4/7/2003 - Permit Expiration

The Storm Water District's annual reporting activities were recorded and documented with the use of the Phase II Application & Database Information System (PADIS) provided by the Miami Conservancy District. The Butler Storm Water District documented the decision process for the development of a storm water public education and outreach program through the use of PADIS. The decision process documentation includes individual BMP's, measurable goals, and persons responsible for the program.

PUBLIC INVOLVEMENT/PARTICIPATION
Minimum Control Measure #2

Public Involvement/Participation				
Implement a public involvement and participation program which at a minimum complies with State and local public notice requirements, in accordance with 3.2.2.1 of Ohio's General Permit.				
Section Number	BMP	Measurable Goal	Time Line	Responsible Party
2.1	Public Meetings and Citizen Discussion Panels	Hold two (2) Public Meetings and One (1) Citizen Discussion Panel per year until the Program is implemented.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
2.2	Stream Clean-up & Monitoring	Facilitate and oversee one Stream Clean-Up and Monitoring Program per year beginning year 2.	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
2.3	Storm Water Hotline, Database, and Response Program	Document complaints received and respond in a timely manner	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
2.4	Document the Decision Process	Document the Decision Process	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District

2. Public Involvement/Participation

2.1 Public Meetings and Citizen Discussion Panels

2.1a Storm Water Steering Committee
Date: 6/13/2002 - 1/23/2003

To address the NPDES permit requirements, Butler County initiated a storm water study in 2002 to evaluate the impact of the regulations on local governments in the County. A Kick-off meeting was held on June 13, 2002 where local officials and other interested parties were invited to learn more about the Phase II program and establish a Steering Committee to assist with the study. The Steering Committee was made up of representatives from local governments, watershed and environmental groups along with business and development organizations. Ten of the thirteen townships, five cities and one village were represented at Committee meetings. The Committee met monthly throughout 2002. From this group, consensus was reached on forming a Storm Water District chartered under Section 6117 of the Ohio Revised Code to administer the program for much of the County. The Committee examined a number of related issues, including best management practices (BMP's) to reduce non-point pollution, the cost of these BMP's, development of an implementation plan, establish a rate structure, and prepare the Phase II permit application.

2.1b Elected Officials Workshop

Date: 1/15/2003

During 2002, a Steering Committee made up of representatives from local governments along with other interested parties met monthly to evaluate alternative management strategies and select best management practices to meet EPA'S "Six Minimum Control Measures" and review the cost of implementing this unfunded federal mandate. To explain this Plan further and to seek additional input from local governments in the County, a reception and workshop for elected officials and administrators was held on January 15, 2003 at the Hamiltonian Hotel.

2.1c Public Presentation of Storm Water Management Plan

Date: 2/6/2003

A public meeting was held to present the Butler County Storm Water Management Plan to the Butler County Commissioners. This meeting provided an opportunity to inform the public about the Storm Water Management Plan and also allowed them an opportunity to comment. The Butler County Commissioners hold public meetings twice a week. These sessions are open to the public and the minutes of each meeting are made available on their website. Please visit the following website for more information: <http://www.butlercountyohio.org/commissioner/>

2.1d County Commissioners establish the Butler County Storm Water District.

Date: 2/20/2003

A second public meeting was held to present the Butler County Storm Water Management Plan to the County Commissioners. At this meeting the Board of County Commissioners adopted a resolution establishing the Butler County Storm Water District. This meeting provided a second opportunity to inform the public about the Storm Water Management Plan and also allowed them an opportunity to comment. The Butler County Commissioners hold public meetings twice a week. These sessions are open to the public and the minutes of each meeting are made available on their website. Please visit the following website for more information: <http://www.butlercountyohio.org/commissioner/>

2.1e Ohio Aggregates & Industrial Minerals Association Meeting

Date: 2/20/2004

The Butler County Storm Water District held a special meeting to address the needs and concerns of the businesses involved with aggregate and industrial mining in Butler County. Representatives from the following companies received an overview of the NPDES Phase II program and the formation of the Butler County Storm Water District: Martin Marietta Aggregates, Barrett Paving Materials, Morrow Gravel, and the Ohio Aggregate & Industrial Mineral Association. The objective of the meeting was to initiate a discussion on how the implementation of the NPDES Phase II permit impacts the sand gravel industry within the Butler County Storm Water District.

2.1f Annual Township Meeting

Date: 2/26/2004

Representatives from each Township in Butler County attended an Annual Township Meeting. During the meeting a presentation was given to summarize the activities of the past year. Included in this summary was information regarding the formation of the Butler County Storm Water District and the Storm Water Management Plan (SWMP). The representatives from each township were given a binder containing a copy of the storm water management plan, informational brochures describing the NPDES Phase II program requirements, district billing policies, customer service training manual, and media alerts distributed within the past year.

2.2 Stream Clean-up & Monitoring

2.2a Activity: Stream Clean-up & Monitoring

Date: 4/7/2004 - Permit Expiration

Activity to begin Permit Year 2 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

2.3 Storm Water Hotline, Database, and Response Program

2.3a Activity: Storm Water Hotline

Date: 11/1/2003

In order to provide easy access to Storm Water District Staff and to provide a quick response to citizen inquiries and complaints concerning storm water, the Butler County Storm Water District dedicated a specific telephone number to serve as the Storm Water Hotline (513) 785-4120. The Storm Water Hotline provides prompt service to the water quality concerns of residents in the Butler County Storm Water District. The hotline enables citizens to call 24-hours a day, seven days a week to report any storm water concerns. The hotline number is published on the Storm Water District website and it is included in all Media Release information.

2.3b Activity: Storm Water Customer Service Training Manual

Date: 11/1/2003

The Butler County Storm Water District created a Customer Service Training Manual to ensure that all District Staff were provided with the proper training and resources to provide a quick response to citizen inquiries and concerns regarding storm water. This manual was distributed to all District Staff and all local and county agencies that are likely to receive Storm Water related phone calls. Customer Service guidelines were developed to minimize problems associated with the implementation of the NPDES Phase II program within the Butler County Storm Water District. These guidelines will help to ensure continued good relation between the District and it's customers. Much work has gone into the development of the Storm Water District. The District's success depends significantly upon good customer service and good customer relations. Service must be a priority in the minds of those interacting with the customers. In conjunction with a customer service training session, this manual provides District staff with the skills necessary to accurately record the appropriate information and to deal with potentially inquisitive, angry, and/or frustrated customers.

2.3c Activity: Storm Water Database and Response Program

Date: 11/1/2003

The Butler County Storm Water District created a database and response program to document citizen inquiries/complaints and accurately record contact information. The database and response program to date has recorded over 160 customer inquiries. The database tracks information specific to the customers address, method of contact, nature of inquiry, and detail of inquiry/complaint resolution.

2.3d Activity: Customer Service Training

Date: 1/7/2004

A two hour training session was held for eight staff personnel. Topics covered during the session provided information on applicable environmental regulations, the storm water management plan for Butler County, the district billing policies papers, billing procedures, general phone skills, and caller information database entry.

2.4 Document the Decision Process

2.4a Activity: Phase II Application & Database Information System (PADIS)

Date: 4/7/2003 - Permit Expiration

Annual reporting activities recorded and documented with the use of the Phase II Application & Database Information System (PADIS) provided by the Miami Conservancy District.

The Butler Storm Water District documented the decision process for the development of a storm water public involvement/participation program through the use of PADIS. The decision process documentation includes the overall public involvement/participation program, individual BMP's, measurable goals, and persons responsible for the program.

2.4b Activity: Butler County Storm Water Study
Date: 3/28/2003

The Butler County Storm Water District has documented the decision process used for compliance and implementation of NPDES Phase II regulations. The activities documented in the 350+ page study include: formation of a Steering Committee, creation of an ORC 6117 Storm Water District, County Wide Base Line Study, Level of Service development, Cost of Service Development, 5 Year Implementation Matrix, Rate Structures, Phase II Funding Plan, Permit Application and Implementation Plan, Elected Officials Workshop, Commissioner Pre-Approval Meeting, Commissioner Final Approval Meeting, Timeline, and Permit Application. (For detailed information, Butler Storm Water Study is available upon request.)

ILLICIT DISCHARGE DETECTION AND ELIMINATION
Minimum Control Measure #3

Illicit Discharge Detection and Elimination				
Create a storm sewer system map, in accordance with 3.2.3.1.2 of Ohio's General Permit.				
Section Number	BMP	Measurable Goal	Time Line	Responsible Party
3.1	Illicit Discharge Plan	Develop Illicit Discharge Plan beginning year 2 and coordinate approval by member local governments	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
3.2	Locate Problem Areas	Develop Problem Area Database beginning year 3	Start Date: 4/7/2005 End Date: Permit Expiration	Butler County Storm Water District
3.3	Storm Sewer System Map with Outfalls	Field locate outfalls and map 20% of district area each year.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
3.4	HSTS List and Map	Field locate HSTS and map 20% of the area each year.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County and Butler County Storm Water District
3.5	Illicit Discharge Ordinance	Establish Illicit Discharge Ordinance for the District and fully implement and enforce within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
3.6	Non-Storm Water Discharge Plan	Establish non-storm water discharge plan and fully implement within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
3.7	Dry Weather Screening	Prepare Dry Weather Screening Plan and visually inspect 400 mapped outfalls and sample when necessary, beginning year 4.	Start Date: 4/7/2006 End Date: Permit Expiration	Butler County Storm Water District
3.8	Chemical Field Tests	Develop field testing protocol, purchase equipment and take 200 samples of various stream miles in District each year, beginning year 3.	Start Date: 4/7/2005 End Date: Permit Expiration	Butler County Storm Water District
3.9	Coordinate screening & testing plan with Local Governments	Organize Cooperative Screening and Testing Plan beginning year 3.	Start Date: 4/7/2005 End Date: Permit Expiration	Butler County Storm Water District

3.10	Provide information about the Hazards of Illicit Discharges	Make at least two (2) presentation per year to local groups on Illicit Discharge beginning year 2.	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
3.11	Illicit Discharge Brochure	Draft, print and distribute 200 brochures on Illicit Discharges per year.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
3.12	News Releases on Illicit Discharges	Prepare and distribute one (1) news release per year, beginning year 2, on Illicit Discharges to local media.	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
3.13	Monitor BMP's	Monitor each installed BMP at least every other year.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
3.14	List and Restrict Non-Storm Water Discharges	Prepare Plan to Restrict Non-Storm Water Discharges and implement within three years	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
3.15	Document the Decision Process	Document the Decision Process	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District

3. Illicit Discharge Detection and Elimination

3.1 Illicit Discharge Plan

3.1a Activity: Illicit Discharge Plan

Date: 4/7/2004 - Permit Expiration

Activity to begin Permit Year 2 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

3.2 Locate Problem Areas

3.2a Activity: Locate Problem Areas

Start Date : 4/7/2005 End Date: 4/6/2007

Activity to begin Permit Year 3 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

3.3 Storm Sewer System Map with Outfalls

3.3a Activity: Storm Sewer System Mapping

Date : 4/7/2003 - Permit Expiration

Using "As-Built" data originating from the 1970's and forward, 100% of known sewer systems have been mapped in the Phase II affected areas within the county. Each year as new development occurs throughout the District, the sewer map will be reviewed and updated.

3.4 HSTS List and Map

**3.4a Activity: Field locate HSTS
Date: 5/7/2003**

The Butler County Storm Water District researched archived HSTS records held by the Butler County Health Department. The Health Department does not have a computerized database of HSTS records. Archived paper documents which do not contain exact survey data of HSTS locations are the only records available. It was suggested by the Health department that the best way to identify and map existing HSTS would be to subtract all parcels currently connected to the sanitary sewer. All new applications for HSTS will be add to that data.

3.5 Illicit Discharge Ordinance

**3.5a Activity: Develop a draft of Illicit Discharge Ordinance
Date: 4/7/2003 - Permit Expiration**

Ordinance is scheduled to be implemented and enforced within five years. A draft Illicit Discharge Ordinance provided by the Miami Conservancy District is currently under review. The draft ordinance will be submitted to the County Prosecutor for guidance on enforceability.

3.6 Non-Storm Water Discharge Plan

**3.6a Activity: Non-Storm Water Discharge Plan
Date: 04/07/2007**

Non-Storm Water Discharge Plan activity deferred to year 5 (2007). BMP's are scheduled to be implemented and enforced within five years.

3.7 Dry Weather Screening

**3.7a Activity: Dry Weather Screening
Start Date : 4/7/2006 - Permit Expiration**

Activity to begin Permit Year 4 (2006).
Please refer to Storm Water Management Plan Implementation Matrix.

3.8 Chemical Field Tests

**3.8a Activity: Chemical Field Tests
Date: 4/7/2005 - Permit Expiration**

Activity to begin Permit Year 3 (2005).
Please refer to Storm Water Management Plan Implementation Matrix.

3.9 Coordinate screening & testing plan with Local Governments

**3.9a Activity: Coordinate screening & testing plan with Local Governments
Date: 4/7/2005 - Permit Expiration**

Activity to begin Permit Year 3 (2005).
Please refer to Storm Water Management Plan Implementation Matrix.

3.10 Provide information about the Hazards of Illicit Discharges

**3.10a Activity: Provide information about the Hazards of Illicit Discharges
Date : 4/7/2004 - Permit Expiration**

Activity to begin Permit Year 2 (2004).
Please refer to Storm Water Management Plan Implementation Matrix.

3.11 Illicit Discharge Brochure

3.11a Activity: Illicit Discharge Brochure

Date: 4/2/2004

In an effort to inform public employees, businesses and the general public of hazards associated with illicit discharges and improper disposal of waste, the Butler County Storm Water District has provided each jurisdiction covered under the NPDES Phase II permit with copies of the U.S.E.P.A. brochure titled, "After The Storm". Over 250 copies of the brochure were printed and distributed. Also enclosed in this packet is a document regarding the "After the Storm" Video, co-produced by the Environmental Protection Agency and The Weather Channel. The video shows the relationship between weather and watersheds and the impacts of polluted runoff to watersheds. Each jurisdiction was encouraged to include the information and airtimes in their upcoming newsletter to residents.

3.12 News Releases on Illicit Discharges

3.12a Activity: News Releases on Illicit Discharges

Date : 4/7/2004 - Permit Expiration

Activity to begin Permit Year 2 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

3.13 Monitor BMP's

3.13a Activity: Monitor BMP's

Date : 4/7/2003 - Permit Expiration

No physical BMPs were installed as part of first year implementation. As part of the Illicit Discharge Ordinance, BMP's are scheduled to be implemented and enforced by permit year 5 (2007).

3.14 List and Restrict Non-Storm Water Discharges

3.14a Activity: List and Restrict Non-Storm Water Discharges

Date: 4/4/2004

This is a duplicate BMP and it will be removed from the Storm Water Management Plan. It duplicates BMP # 3.5a, "Non-Storm Water Discharge Plan". The listing and restricting of Non-Storm Water Discharges is part of the Non-Storm Water Discharge Plan.

3.15 Document the Decision Process

3.15a Activity: Phase II Application & Database Information System (PADIS)

Date: 4/7/2003 - Permit Expiration

Annual reporting activities recorded and documented with the use of the Phase II Application & Database Information System (PADIS) provided by the Miami Conservancy District. The Butler Storm Water District documented the decision process for the development of a storm water illicit discharge detection and elimination program through the use of PADIS. The decision process documentation includes individual BMP's, measurable goals, and persons responsible for the program.

3.15b Activity: Butler County Storm Water Study
Date: 3/28/2003

The Butler County Storm Water District has documented the decision process used for compliance and implementation of NPDES Phase II regulations. The activities documented in the 350+ page study include: formation of a Steering Committee, creation of an ORC 6117 Storm Water District, County Wide Base Line Study, Level of Service development, Cost of Service Development, 5 Year Implementation Matrix, Rate Structures, Phase II Funding Plan, Permit Application and Implementation Plan, Elected Officials Workshop, Commissioner Pre-Approval Meeting, Commissioner Final Approval Meeting, Timeline, and Permit Application. (For detailed information, Butler Storm Water Study is available upon request.)

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL
Minimum Control Measure #4

Construction Site Storm Water Runoff Control				
Create an ordinance or other regulation requiring erosion and sediment controls on disturbed sites equal to or greater than one acre that includes sanctions to help ensure compliance, in accordance with 3.2.4.1.1 of Ohio's General Permit.				
Section Number	BMP	Measurable Goal	Time Line	Responsible Party
4.1	Construction Control Ordinance	Enact Construction Control Ordinance, including runoff, erosion, and sediment control plans, and implement within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
4.2	Runoff Control BMP's	Implement Runoff Control BMP Plan and enforce within 4 years	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
4.3	Erosion control BMP's	Implement Erosion control BMP Plan and enforce within 4 years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
4.4	Sediment Control BMP's	Implement Sediment Control BMP Plan and enforce within 4 years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
4.5	Site Plan Review and Inspection Process	Develop Site Plan Review and Inspection Process and enforce within three years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
4.6	Document the Decision Process	Document the Decision Process	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District

4. Construction Site Storm Water Runoff Control

4.1 Construction Control Ordinance

4.1a Activity: Construction Control Ordinance

Date: 4/7/2003 - 4/6/2004

Develop Draft Construction Control Ordinance with Sanctions.

Current County subdivision regulations address runoff, erosion, and sediment control for platted subdivisions. The regulations are being reviewed to include all other property types. In addition, H.B. #411 is being proposed to grant County authority to regulate construction projects that disturb less than 5 acres.

4.2 Runoff Control BMP's

4.2a Activity: Runoff Control BMP's

Date: 4/4/2005 - Permit Expiration

Activity to begin Permit Year 3 (2005).

Please refer to Storm Water Management Plan Implementation Matrix.

4.3 Erosion control BMP's

4.3a Activity: Erosion Control BMP's

Date: 4/7/2005 - Permit Expiration

Activity to begin Permit Year 3 (2005).

Please refer to Storm Water Management Plan Implementation Matrix.

4.4 Sediment Control BMP's

4.4a Activity: Sediment Control BMP's

Date: 4/7/2005 - Permit Expiration

Activity to begin Permit Year 3 (2005).

Please refer to Storm Water Management Plan Implementation Matrix.

4.5 Site Plan Review and Inspection Process

4.5a Activity: Site Plan Review and Inspection Process

Date: 4/7/2005 - Permit Expiration

Develop Site Plan Review and Inspection Process Plan.

Site Plans are currently being reviewed for drainage and runoff. A mechanism is in place with the County Building Department to have the County Engineers Office and the Storm Water District review any permit application for commercial development. In addition, H.B. #411 is being proposed to grant County authority to regulate construction projects that disturb less than 5 acres.

4.6 Document the Decision Process

4.6a Activity: Phase II Application & Database Information System (PADIS)

Date: 4/7/2003 - Permit Expiration

Annual reporting activities recorded and documented with the use of the Phase II Application & Database Information System (PADIS) provided by the Miami Conservancy District.

The Butler Storm Water District documented the decision process for the development of a construction site storm water control program through the use of PADIS. The decision process documentation includes individual BMP's, measurable goals, and persons responsible for the program.

4.6b Activity: Butler County Storm Water Study

Date: 3/28/2003

The Butler County Storm Water District has documented the decision process used for compliance and implementation of NPDES Phase II regulations. The activities documented in the 350+ page study include: formation of a Steering Committee, creation of an ORC 6117 Storm Water District, County Wide Base Line Study, Level of Service development, Cost of Service Development, 5 Year Implementation Matrix, Rate Structures, Phase II Funding Plan, Permit Application and Implementation Plan, Elected Officials Workshop, Commissioner Pre-Approval Meeting, Commissioner Final Approval Meeting, Timeline, and Permit Application. (For detailed information, Butler Storm Water Study is available upon request.)

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Minimum Control Measure #5

Post-Construction Storm Water Management in New Development and Redevelopment				
Develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, in accordance with 3.2.5.1.1 of the Ohio General Permit.				
Section Number	BMP	Measurable Goal	Time Line	Responsible Party
5.1	Post construction Ordinance with Riparian Corridor (RC) and Buffer Zone (BZ)	Enact Post Construction Ordinance with Riparian Corridor (RC) and Buffer Zone (BZ) within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
5.2	Long Term RC and BZ Stability Plan	Develop a Plan to ensure long term RC and BZ stability.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
5.3	Update Zoning Ordinances	Develop Draft of Updated Zoning Ordinances within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
5.4	Long Term Long Term Stability of Zoning Ordinances	Develop a Plan for Long Term Stability of Zoning Ordinances within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
5.5	Document the Decision Process	Document the Decision Process	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District

5. Post-Construction Storm Water Management in New Development and Redevelopment

5.1 Post construction Ordinance with Riparian Corridor (RC) and Buffer Zone (BZ)

**5.1a Activity: Post Construction Ordinance with Riparian Corridor (RC) and Buffer Zone (BZ)
Date: 4/7/2003 - Permit Expiration**

Draft ordinance for RC and BZ is scheduled to be implemented and enforced within five years. County flood regulations require RC and BZ on all blue line streams. (Butler County Flood Damage Prevention Regulations 5.2-11 as adopted 06/10/2002).

5.2 Long Term RC and BZ Stability Plan

5.2a Activity: Long Term RC and BZ Stability Plan

Date: 4/7/2003 - Permit Expiration

Long term RC and BZ stability to be implemented and enforced within five years. Home Owner Associations (HOA), Property Owner Associations, Township Parks maintain Buffer Zones. A Flood Permit is required from the County to allow any maintenance or work occurring in these areas. County flood regulations require RC and BZ on all blue line streams. (Butler County Flood Damage Prevention Regulations 5.2-11 as adopted 06/10/2002).

5.3 Update Zoning Ordinances

5.3a Activity: Update Zoning Ordinances

Date: 4/7/2007 - Permit Expiration

Activity to begin Permit Year 5 (2007).

Please refer to Storm Water Management Plan Implementation Matrix.

5.4 Long Term Long Term Stability of Zoning Ordinances

5.4a Activity: Long Term Stability of Zoning Ordinances

Date: 4/7/2006 - Permit Expiration

Activity to begin Permit Year 4 (2006).

Please refer to Storm Water Management Plan Implementation Matrix.

5.5 Document the Decision Process

5.5a Activity: Phase II Application & Database Information System (PADIS)

Date: 4/7/2003 - Permit Expiration

Annual reporting activities recorded and documented with the use of the Phase II Application & Database Information System (PADIS) provided by the Miami Conservancy District.

The Butler Storm Water District documented the decision process for the development of the post-construction storm water management program through the use of PADIS. The decision process documentation includes individual BMP's, measurable goals, and persons responsible for the program.

5.5b Activity: Butler County Storm Water Study

Date: 3/28/2003

The Butler County Storm Water District has documented the decision process used for compliance and implementation of NPDES Phase II regulations. The activities documented in the 350+ page study include: formation of a Steering Committee, creation of an ORC 6117 Storm Water District, County Wide Base Line Study, Level of Service development, Cost of Service Development, 5 Year Implementation Matrix, Rate Structures, Phase II Funding Plan, Permit Application and Implementation Plan, Elected Officials Workshop, Commissioner Pre-Approval Meeting, Commissioner Final Approval Meeting, Timeline, and Permit Application. (For detailed information, Butler Storm Water Study is available upon request.)

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS
Minimum Control Measure #6

Pollution Prevention/Good Housekeeping for Municipal Operations				
Develop and implement an operation and maintenance program that includes a training component to prevent/reduce pollutant runoff from municipal operations, in accordance with 3.2.6.1.1 of Ohio's General Permit.				
Section Number	BMP	Measurable Goal	Time Line	Responsible Party
6.1	Train Government Employees	Establish Plan for training Government Employees and train 25% of them beginning Year 2	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
6.2	Maintenance Schedule	Develop Maintenance Plan and Schedule within 4 years	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
6.3	Inspection Plan for BMP's	Develop Inspection Plan for BMP's and inspect half of BMP's each year, beginning year 2.	Start Date: 4/7/2004 End Date: Permit Expiration	Butler County Storm Water District
6.4	Illegal Dumping and Control Program	Develop Plan for Illegal Dumping and Control Program within five years.	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District
6.5	Document the decision process	Document the decision process	Start Date: 4/7/2003 End Date: Permit Expiration	Butler County Storm Water District

6. Pollution Prevention/Good Housekeeping for Municipal Operations

6.1 Train Government Employees

6.1a Activity: Train Government Employees

Date: 4/7/2003 - Permit Expiration

Training plan to be developed and implemented for 25% of workforce beginning year 2. Although this activity is scheduled to begin in the second permit year, training materials have been drafted to include information on NPDES Phase II, Hazard Communication, Maps of facility storm drains, and facility chemical inventory. Program will continue to be developed and training will be implemented in the second permit year.

Activity to begin Permit Year 2 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

6.2 Maintenance Schedule

6.2a Activity: Maintenance Schedule

Date: 4/7/2004 - Permit Expiration

Activity to begin Permit Year 2 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

6.3 Inspection Plan for BMP's

6.3a Activity: Inspection Plan for BMP's

Date: 4/7/2004 - Permit Expiration

Activity to begin Permit Year 2 (2004).

Please refer to Storm Water Management Plan Implementation Matrix.

6.4 Illegal Dumping and Control Program

6.4a Activity: Illegal Dumping and Control Program

Date: 4/7/2007 - Permit Expiration

Activity to begin Permit Year 5 (2007).

Please refer to Storm Water Management Plan Implementation Matrix.

6.5 Document the decision process

6.5a Activity: Phase II Application & Database Information System (PADIS)

Date: 4/7/2003 - Permit Expiration

Annual reporting activities recorded and documented with the use of the Phase II Application & Database Information System (PADIS) provided by the Miami Conservancy District. The Butler Storm Water District documented the decision process for the development of the pollution prevention /good housekeeping program through the use of PADIS. The decision process documentation includes the overall public education program, individual BMP's, measurable goals, and persons responsible for the program.

6.5b Activity: Butler County Storm Water Study

Date: 3/28/2003

The Butler County Storm Water District has documented the decision process used for compliance and implementation of NPDES Phase II regulations. The activities documented in the 350+ page study include: formation of a Steering Committee, creation of an ORC 6117 Storm Water District, County Wide Base Line Study, Level of Service development, Cost of Service Development, 5 Year Implementation Matrix, Rate Structures, Phase II Funding Plan, Permit Application and Implementation Plan, Elected Officials Workshop, Commissioner Pre-Approval Meeting, Commissioner Final Approval Meeting, Timeline, and Permit Application. (For detailed information, Butler Storm Water Study is available upon request.)

Butler County Storm Water District - Bonus Activities

B1

Activity Title: Storm Water Advisory Committee

Activity Description: Creation of District Billing Policies

Date: 2003 - Monthly Meetings

Responsible Party: Butler County Storm Water District

The NPDES Phase II requirements are an unfunded federal government mandate. In order to obtain funding locally to implement the requirements of this program, a Storm Water Advisory Committee was created to develop billing policies and procedures. The committee met a minimum of once a month. The efforts of this group resulted in the attainment of a Revenue Anticipation Note from the County Commissioners in order to fund the revenue study and activities for the permit year 2003. In order for the Storm Water District to collect additional funds through the implementation of its billing policies and procedures, Ohio Revised Code 6117 had to be revised. New legislation had to be proposed and accepted by the 123rd Ohio General Assembly. The Storm Water Advisory Committee provided draft legislation and input to legislators representing Butler County.

B2

Activity Title: Mill Creek Signage Committee

Activity Description: Committee member

Date: 2003 - Monthly Meetings

Responsible Party: Butler County Storm Water District

The Mill Creek Signage Committee is involved with public awareness and education of the Millcreek Watershed. This is accomplished by coordinating stream crossing sign installation with public awareness and education programs. In the year 2003, Butler County Storm Water District was responsible for stream crossing signage at a minimum of 12 locations at a cost of approximately \$200.00 per crossing for a total of \$2,400.00.

B3

Activity Title: Train Government Employees

Activity Description: Government Employees Training Plan

Date: March 2004

Responsible Party: Butler County Storm Water District

Training plan to be developed and implemented for 25% of workforce beginning year 2. Although this activity is scheduled to begin in the second permit year, training materials have been drafted to include information on NPDES Phase II, Hazard Communication, Maps of facility storm drains, and facility chemical inventory. Program will continue to be developed and training will be implemented in the second permit year.

B4**Activity Title:** Butler County Water Festival**Activity Description:** Classroom Coordinator.**Date:** 10/18/2003**Responsible Party:** Butler County Storm Water District

The Butler County Water Festival was held October 18, 2002 at Miami University Hamilton. The "Hands on Day of Discovery" was attended by 920 students from across Butler County. Thirty-four different presenters and sixty-four volunteers participated in the day. As a classroom coordinator, a representative from the Butler County Storm Water District guided approximately 30 children through classroom presentations. Children learned about various activities such as flooding, storm water, rain gauges and the importance of monitoring the quantity of rainfall.

B5**Activity Title:** River Roundtable**Activity Description:** Great Miami River Festival Committee**Date:** 2003 - Monthly Meetings**Responsible Party:** Butler County Storm Water District

The mission of the River Roundtable is to create a better understanding of the Great Miami River and treat the river corridor as a precious natural resource. Starting in October of 2003 a member of the Butler County Storm Water District has participated in all monthly meetings. Other groups participating in the Festival Planning committee include Friends of the Great Miami; Miami Conservancy District; Hamilton SWCD; St. Clair Township, Butler County; Butler SWCD, Butler County Storm Water District; Butler County Department of Environmental Services; Land Conservancy of Hamilton County. The current project for this group is the development and coordination of the Great Miami River Festival to be held in September 2004. The event will be used to promote watershed education and recreational activities associated with the Great Miami River.

B6**Activity Title:** Mill Creek Watershed Council**Activity Description:** Quarterly Council Meetings**Date:** 2003 - Quarterly Meetings**Responsible Party:** Butler County Storm Water District

A representative from the Butler County Storm Water District attended all quarterly meetings of the Mill Creek Watershed Council. The purpose of the Mill Creek Watershed Council is to maintain and enhance the asset-value of the Mill Creek by providing resources to the communities and the region to realize lasting benefits. The Mill Creek Watershed Council is a publicly funded, non-profit corporation representing all 37 political jurisdictions in the Mill Creek watershed. The Council acts as a forum for making watershed-based decisions by convening and coordinating meetings and projects related to the improvement of the Mill Creek. Through these forums, the Council invites public input on watershed-related issues. The full council meets quarterly at locations throughout the watershed and creates a quarterly newsletter, Voice of the Mill Creek, that is mailed to approximately 1400 addresses throughout the watershed. Please visit the following website for additional information:
<http://www.millcreekwatershed.org/home.html>

B7

Activity Title: Mill Creek Watershed Council Executive Committee

Activity Description: Executive Committee Meetings

Date: Monthly Meetings

Responsible Party: Butler County Storm Water District

The council's Executive Committee is comprised of the three council officers, chairs of the standing committees and five members at large. [This group](#) coordinates activities of the standing committees and provides oversight of council activities. The Mill Creek Watershed Council met for the first time in 2004 in Colerain Township at 10:00 am on Thursday, January 29th. The Executive Committee slate of candidates was also elected by unanimous vote. Among the candidates elected was Bob Lentz of the Butler County Storm Water District. The Council also adopted the 2004 work plan and budget. To view the January 2004 Meeting Minutes (including the 2004 work plan) [click here](#).

B8

Activity Title: Ohio Storm Water Taskforce

Activity Description: Technical Committee Meeting

Date: 12/03/2003

Responsible Party: Butler County Storm Water District

The Technical Committee of the Ohio Storm Water Taskforce's goal is to examine regional detention strategies, examine zoning and land-use decisions and begin creation of RFP to examine other state's approaches to watershed management. The groups mission is to reduce the negative impact of storm water on society and natural resources by promoting its effective management through education, leadership, watershed-based coordination, and technical assistance throughout the state of Ohio.

Miami Conservancy District's 2003 Phase II Storm Water Activities for Collaborating Communities

In order to comply with Phase II Storm Water regulations, the Miami Conservancy District completed the attached list of activities in the areas of education, public involvement, and outfall identification.

Since the Butler County Storm Water District is a partner in the storm water compliance collaborative within the Great Miami River Watershed, these activities are included in the Annual Report as compliance activities.

Miami Conservancy District's 2003 Phase II Storm Water Activities for Collaborating Communities

Minimum Control Measure #1

Public Education and Outreach on Storm Water Impacts					
Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities to the community, in accordance with 3.2.1.1 of Ohio's General Permit.					
Section	BMP	Measurable Goal	Time	Responsible Party	Rationale
1.1	*Broadcast 30-second Public Service Announcement about human impacts to storm water on locally viewed television.	Facilitate the airing 10 times during the period designated	Start Date: PCD + 1 month End Date: PCD + 18 months	Miami Conservancy District - Watershed Team	To raise awareness of individual connection to streams & practical things everyone can do to protect streams
1.2	*Publish storm water awareness print ads in newspapers of general circulation.	Publish the ads in 10 editions during the period designated	Duration: PCD + 2 months through PCD + 18 months	Miami Conservancy District - Watershed Team	To raise awareness of individual connection to streams & practical things everyone can do to protect streams
1.3	*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: Permit Expiration	Miami Conservancy District - Watershed Team	To provide practical tools to protect storm water
1.4	*Coordinate a tour of storm water BMPs for practitioners	Make available an annual site visit for 10 individuals	Start Date: 3/10/2003 End Date: Permit Expiration	Miami Conservancy District - Watershed Team	To provide practical tools to protect storm water

1.1

BMP: Broadcast 30-second Public Service Announcement about human impacts to storm water on locally viewed television.

Measurable Goal: Facilitate the airing 10 times during the period designated.

1.1 a

Activity Title: Television Public Service Announcement

Activity Description: The Miami Conservancy District partnered with the national nonprofit organization River Network and the local media to create a campaign informing residents of their connection to local streams. The result was a campaign that included two public service announcements for television which aired over 700 times. In addition to reaching residents of the 51 Phase II regulated communities who will save the expense of implementing the program individually, we were able at no added cost to reach the non-urbanized areas of Montgomery,

Greene, Butler, Preble, Darke, Miami, Shelby, Champaign, Logan, Mercer, Clark, and Warren counties as well as the western side of Hamilton County.

Start Date: 09/05/2003

End Date: 10/30/2003

Lead Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Based on information from our media partners, we estimate conservatively that 350,000 individuals saw or heard one or more pieces of the RiverSmart campaign this fall.

The RiverSmart TV public service announcement is viewable via the Miami Conservancy District website at

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

1.2

BMP: Publish storm water awareness print ads in newspapers of general circulation.

Measurable Goal: Publish the ads in 10 editions during the period designated.

1.2 a

Activity Title: Newspaper Advertisement

Activity Description: The Miami Conservancy District partnered with the national nonprofit organization River Network and the local media to create a campaign informing residents of their connection to local streams. The result was a campaign that included a print advertisement that ran twice each in ten community newspapers.

Start Date: 10/19/2003

End Date: 10/30/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Based on information from our media partners, we estimate conservatively that 350,000 individuals saw or heard one or more pieces of the RiverSmart campaign this fall.

The RiverSmart print ad is viewable via the Miami Conservancy District website at

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

1.3

BMP: Hold training opportunities for technical audiences & / or facilitate the attendance of key professionals at regional training opportunities.

Measurable Goal: Hold two trainings annually for 10 people per training

1.3 a

Activity Title: Phase II Forum

Activity Description: Miami Conservancy District sponsored and organized a Phase II Forum. This forum was a half-day meeting which encouraged networking and prepared communities to meet their first annual reporting obligation. Representatives of the Ohio Environmental Protection Agency discussed program implementation issues and City of Dayton representatives shared lessons from their longer-term Phase I storm water program experience. A Montgomery County representative shared views on approaches to funding compliance activities and staff from The Miami Conservancy District provided updates in a number of relevant areas. This meeting included a series of small group discussions.

Start Date: 11/19/2003

End Date: 11/19/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Over 80 people participated from jurisdictions in eight counties. Over 90% of the participants rated the Forum as either "Excellent" or "Good". The Phase II Forum Final

Report is viewable via the Miami Conservancy District website at http://www.miamiconservancy.org/phaseII/Work_Sessions.htm

1.3 b

Activity Title: Storm Water Training

Activity Description: Miami Conservancy District served in advisory capacity on the planning committee and provided mailing addresses of local storm water managers to receive promotional materials.

Start Date: 8/06/2003

End Date: 8/06/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Over 50 participants attended to hear presentations from Ohio EPA's construction permit staff, local implementation partners, and technical product vendors.

1.4

BMP: Coordinate tour of storm water BMPs for practitioners.

Measurable Goal: Make available an annual site visit for 10 individuals.

1.4 a

Activity Title: Tour of Storm Water Best Management Practices

Activity Description: Jack Webb, Executive Director of the Indian Lake Watershed Project provided both oral and printed background information about the successful 14-year-old watershed project in the headwaters of the Great Miami River.

Start Date: 09/19/2003

End Date: 09/19/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Approximately 20 individuals enjoyed the watershed Best Management Practice tour. Sites featured BMPs that have both urban and rural applications: a few storm water retention/wetland/flood-prevention installations, secondary containment at a fertilizer and fuel storage area, filter strips, and streambank stabilization. For photographs of the tour, go to http://www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/Default.htm.

Miami Conservancy District's 2003 Phase II Storm Water Activities for Collaborating Communities

Minimum Control Measure #2

Public Involvement/Participation					
Implement a public involvement and participation program which at a minimum complies with State and local public notice requirements, in accordance with 3.2.2.1 of Ohio's General Permit.					
Section	BMP	Measurable Goal	Time	Responsible Party	Rationale
2.1	*Stream Team volunteer monitors collect data and report on stream health during field season.	Facilitate training of 20 new volunteers throughout Great Miami River Watershed each year	Start Date: 3/10/2003 End Date: Permit Expiration	Miami Conservancy District - Watershed Team	To raise awareness of stream health for those participating and those hearing reports
2.2	*Great Miami River Watershed Network meets to strategize and share resources.	Three meetings per year	Start Date: 3/10/2003 End Date: Permit Expiration	Miami Conservancy District - Watershed Team	To facilitate resource-sharing and limit duplication of effort
2.3	*Promote stakeholder participation in community-based watershed groups as a means to improve stream health.	Community-based Watershed Organization Inventory published	Start date: PCD + 1 day End date: PCD + 8 months	Miami Conservancy District - Watershed Team	To promote local work of Individual watershed groups to their stakeholders
2.4	*Support existing water festivals for children and the general public.	Participate in two festivals throughout the Great Miami River Watershed annually	Start Date: 3/10/2003 End Date: Permit Expiration	Miami Conservancy District - Watershed Team	To encourage involvement of broad stakeholder groups in educating the public

2.1

BMP: Stream Team volunteer monitors collect data and report on stream health during field season.

Measurable Goal: Facilitate training of 20 new volunteers throughout Great Miami River Watershed each year.

2.1 a

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: 3/22/2003

End Date: 3/22/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Thirty-three 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/Great_Miami_River_Watershed/Educational_Resources/Default.htm.

2.2

BMP: Great Miami River Watershed Network meets to strategize and share resources.

Measurable Goal: Three meetings per year.

2.2 a

Activity Title: Great Miami River Watershed Network

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

Start Date: 06/11/2003

End Date: 06/11/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Sixteen people were in attendance. Topics discussed during this meeting include: USEPA Watershed Initiative Grant, increase membership, group inventory, watershed signage, gravel mining list serve, proposal to join Miami Valley Regional Planning Commission's basin councils and the network, network staff support, and Great Miami River fish assessment demonstration and discussion. For complete minutes of this meeting, go to

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

2.2 b

Activity Title: Great Miami River Watershed Network

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

Start Date: 09/19/2003

End Date: 09/19/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Approximately 30 people were in attendance. Topics discussed during this meeting include: welcoming of basin council participants, increase membership, inventory / directory, RiverSmart campaign, USEPA Watershed Initiative Grant, and Indian Lake Watershed Project. For complete minutes of this meeting, go to

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

2.2 c

Activity Title: Great Miami River Watershed Network

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

Start Date: 12/11/2003

End Date: 12/11/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Approximately 50 people were in attendance. Topics discussed during this meeting include: USEPA Watershed Initiative Grant, availability of free watershed management software, Miami Conservancy District's Watershed Initiative, Miami Valley Regional Planning Commission update, and strategic planning. For complete minutes of this meeting, go to

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

2.3

BMP: Promote stakeholder participation in community-based watershed groups as a means to improve stream health.

Measurable Goal: Community-based Watershed Organization Inventory published.

2.3 a

Activity Title: Community-based Watershed Organization Inventory

Activity Description: Produce an Inventory of all the groups that work on watershed issues in the Great Miami River Watershed.

Start Date: 3/25/2003

End Date: 11/25/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: The inventory is published to promote local work of individual watershed groups to their stakeholders. For access to the inventory, go to

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

2.4

BMP: Support existing water festivals for children and the general public.

Measurable Goal: Participate in two festivals throughout the Great Miami River Watershed annually.

2.4 a

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

Activity Description: 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 and by presenting at the festival.

Start Date: 5/10/2003

End Date: 5/10/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Miami Conservancy District presented to approximately 330 children on flooding, storm water, rain gauges, the importance of monitoring the quantity of rainfall, and using your senses to aid in determining surface water quality. We 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 volunteer educational program presenters.

2.4 b

Activity Title: Butler County WaterFest

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

Start Date: 10/17/2003

End Date: 10/17/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Miami Conservancy District presented to approximately 70 children on flooding, storm water, rain gauges and the importance of monitoring the quantity of rainfall. We also supported the festival financially with a cash donation of \$500.

Miami Conservancy District's 2003 Phase II Storm Water Activities for Collaborating Communities

Minimum Control Measure #3

Illicit Discharge Detection and Elimination					
Create a storm sewer system map, in accordance with 3.2.3.1.2 of Ohio's General Permit.					
	BMP	Measurable Goal	Time	Responsible Party	Rationale
3.1	*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	To identify and stop illicit discharges

3.1

BMP: Become familiar with storm sewer system

Measurable Goal: Identify location of 100% of required outfalls in the Great Miami River Watershed.

3.1 a

Activity Title: Outfall Identification in Troy, 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 Phase II Application and Database Information System (PADIS) database.

Start Date: 06/02/2003

End Date: 08/15/2003

Responsible Party: Miami Conservancy District - Rivers & Streams

Result Statement: Miami Conservancy District staff located 149 outfalls in Troy. This included collecting coordinates, digital photograph, description and receiving stream. This data was then entered into the PADIS database.

3.1 b

Activity Title: Outfall Identification in Tipp City

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.

Start Date: 06/02/2003

End Date: 08/15/2003

Responsible Party: Miami Conservancy District - Rivers & Streams

Result Statement: Miami Conservancy District staff located 91 outfalls in Tipp City. This included collecting coordinates, digital photograph, description and receiving stream. This data was then entered into the PADIS database.

3.1 c

Activity Title: Outfall Identification in West Carrollton

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.

Start Date: 06/02/2003

End Date: 08/15/2003

Responsible Party: Miami Conservancy District - Rivers & Streams

Result Statement: Miami Conservancy District staff located 161 outfalls in West Carrollton. This included collecting coordinates, digital photograph, description and receiving stream. This data was then entered into the PADIS database.

BONUS ACTIVITIES:

B1

Activity Title: Radio Public Service Announcement

Activity Description: The Miami Conservancy District partnered with the national nonprofit organization River Network and the local media to create a campaign informing residents of their connection to local streams. The result was a campaign that included a radio public service announcement that aired 48 times.

Start Date: 09/08/2003

End Date: 10/21/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Based on information from our media partners, we estimate conservatively that 350,000 individuals saw or heard one or more pieces of the RiverSmart campaign this fall.

B2

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: 9/13/2003

End Date: 9/13/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Fifteen 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.

B3

Activity Title: Hamilton County Waterfest

Activity Description: Miami Conservancy District staff gave five 30-minute presentations at the Hamilton County Waterfest.

Start Date: 03/18/2003

End Date: 03/18/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Approximately 150 children learned about flooding, storm water, rain gauges and the importance of monitoring the quantity of rainfall.

B4

Activity Title: Preble County Earth Day Event

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

Start Date: 4/22/2003

End Date: 4/22/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Miami Conservancy District presented to approximately 125 6th graders on the connection between land use and water quality and the technology behind measuring precipitation during a storm event.

B5

Activity Title: Greenville Children's Water Festival

Activity Description: The festival was titled, "Do it for the Wave, Keep the Green Clean". It began with storm drain stenciling and concluded with a water festival. Miami Conservancy District presented at the water festival.

Start Date: 10/25/2003

End Date: 10/25/2003

Responsible Party: Miami Conservancy District - Watershed Team

Result Statement: Miami Conservancy District presented to approximately 30 children about human activities that degrade water quality and activities that help improve water quality. We also supported the festival financially with a cash donation of \$200.

