Butler County
Storm Water District

Butler County, Ohio

NPDES Phase II
Annual Report
Permit Year 2004

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."

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Gregory J. Wilkens, P.E., P.S.
Drainage Engineer, NPDES Phase II
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 Soil And Water Conservation 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 Soil And Water Conservation 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 Activity: Media Release Packet
Date: 6/10/2004
On June 10, 2004, the Butler County Storm Water District developed and distributed a News Release regarding the NPDES Phase II program and the activities conducted in Permit Year 2003 by 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 Activity: Draft a Water Curricula Program for children in grades 7-9
Date: 4/7/2004 - 4/6/2005
The Butler County Storm Water District, in conjunction with the Butler Soil and Water Conservation District, reviewed and adopted the "Project WET Curriculum and Activity Guide" to be used as the Water Curricula Program for children in grades 7-9. 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".

1.2b Activity: Education Program for Local Schools – Project WET Workshop
Date: 11/5/2004
The Butler Soil and Water Conservation District held a Project WET (Water Education for Teachers) workshop for ten (10) teachers at the Butler SWCD offices, in Hamilton, Ohio. Project WET focuses on the importance and value of water throughout our lives, as well as introducing the concept of watersheds and how water flows through and affects them. It shows educators how to integrate these ideas into almost any subject, including science, math, language arts, social studies and environmental studies. During the six-hour session, educators participated in several “hands-on, minds-on” activities, both indoors and out.

1.2c Activity: Education Program for Local Schools – Project WET Workshop
Date: 2/26/2005
The Butler Soil and Water Conservation District held a Project WET (Water Education for Teachers) workshop for eleven (11) teachers at the Butler SWCD offices, in Hamilton, Ohio. Project WET focuses on the importance and value of water throughout our lives, as well as introducing the concept of watersheds and how water flows through and affects them. It shows educators how to integrate these ideas into almost any subject, including science, math, language arts, social studies and environmental studies. During the six-hour session, educators participated in several “hands-on, minds-on” activities, both indoors and out.

1.2d Bonus Activity: Education Program for Local Schools – Project Learning Tree
Date: 11/20/2004
The Butler Soil and Water Conservation District held a Project Learning Tree workshop for eighteen (18) teachers at the Butler SWCD offices, in Hamilton, Ohio. Project Learning Tree® (PLT) is an award winning, multi-disciplinary environmental education program for educators and students in Pre K-grade 12. PLT is one of the most widely used environmental education programs in the United States and abroad. PLT continues to set the standard for environmental education excellence. PLT helps students learn how to think, not what to think, about the environment. PLT meets state and national education standards. The curriculum materials provide the tools educators need to bring the environment into the classroom and their students into the environment. Topics range from forests, wildlife, and water, to community planning, waste management and energy.

1.2e Bonus Activity: Education Program for Local Schools
Date: 4/7/2004 - 4/6/2005
The Butler Soil and Water Conservation District offers programs and resources to local schools/groups. Full day workshops and introductory programs for the following programs are available: Project WET (Water Education for Teachers), Project WILD Aquatics, stream walks, stream monitoring, and On the Trail of Non-Point Pollution Sources. This year the Butler Soil and Water Conservation District conducted 39 education programs which reached 1103 students and 50 adults.

1.2f. Bonus Activity: Education Program for Local Schools
Date: 4/7/2004 - 4/6/2005
The Butler County Department of Environmental Services provides a variety of educational programs to school districts within Butler County. During 2004, the environmental educator made 142 presentations relating to water quality and litter prevention that reached over 3,448 students.

1.3 Storm Drain Labeling

1.3a Activity: Storm Drain Labeling
Date: 8/14/2004
Ascot Downs Home Owner Association - 41 storm drain labels installed. Storm drain labels are simple and effective best management practices to prevent non-point source pollution from entering waterways in our community and those downstream. The stencils are intended to make urban and suburban homeowners think twice before dumping material down the storm sewers and into rivers, streams, and ponds in their neighborhoods.

1.3b Activity: Storm Drain Labeling
Date: 8/21/2004
Hughes Woods Home Owner Association - 44 storm drain labels installed. Storm drain labels are simple and effective best management practices to prevent non-point source pollution from entering waterways in our community and those downstream. The stencils are intended to make urban and suburban homeowners think twice before dumping material down the storm sewers and into rivers, streams, and ponds in their neighborhoods.

1.3c Activity: Storm Drain Labeling
Date: 10/9/2004
Ross Estates - Environmental Action Alliance (Miami University) - 109 storm drain labels installed. Storm drain labels are simple and effective best management practices to prevent non-point source pollution from entering waterways in our community and those downstream. The stencils are intended to make urban and suburban homeowners think twice before dumping material down the storm sewers and into rivers, streams, and ponds in their neighborhoods.

1.3d Activity: Storm Drain Labeling
Date: 11/14/2004
Windwood Acres - Cub Scouts - 62 storm drain labels installed. Storm drain labels are simple and effective best management practices to prevent non-point source pollution from entering waterways in our community and those downstream. The stencils are intended to make urban and suburban homeowners think twice before dumping material down the storm sewers and into rivers, streams, and ponds in their neighborhoods.

1.3e Activity: Storm Drain Labeling
Date: 12/10/2004
Alamo Heights - BSWCD and BCSWD - 61 storm drain labels installed. Storm drain labels are simple and effective best management practices to prevent non-point source pollution from entering waterways in our community and those downstream. The stencils are intended to make urban and suburban homeowners think twice before dumping material down the storm sewers and into rivers, streams, and ponds in their neighborhoods.

1.4 Document Decision Process

1.4a. Activity: 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 Soil And Water Conservation 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 Activity: Public Presentation of Storm Water District Annual Report
Date: 6/10/2004
A public meeting was held to present the Butler County Storm Water District's Annual Report 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/

2.1b Activity: Public Workshop - Non-residential Customer Credits Program.
Date: 8/16/2004
The Butler County Storm Water District held a public workshop to provide non-residential property owners with general examples of how to complete the Credits Application Package. An overview of the Butler County Storm Water Management Program was provided to the business community to assist with background information necessary to understand the credits program.

2.1c Activity: Butler County Fair - Public Presentation
Date: 7/25/2004 – 7/31/2004
The Butler County Storm Water District presented a week long open-house forum at the Butler County Fair to allow the public an opportunity review and discuss the Butler County Storm Water Management Plan and the Annual Report.

2.1d Bonus Activity: Butler Soil and Water Conservation District Annual Meeting
Date: 10/14/2004
The Butler County Storm Water District presented a poster display at the Butler Soil and Water Conservation District's Annual Meeting. This meeting provided an opportunity to inform the public about the District's Storm Water Management Plan and allowed for public comment. Informational brochures were also distributed about Non-point Source Pollution and Illicit Discharges.

2.1e Bonus Activity: "Erosion and Sediment Control in Butler County" - Abercrombie and Associates
Date: 09/17/2004
The Butler SWCD conducted a series of public presentations, "Erosion and Sediment Control in Butler County," geared towards engineering consultants and developers. They were held at Abercrombie and Associates (Sept 17th), Kleingers & Associates (Sept 24th), and Receptions Banquet center in Fairfield, OH sponsored by Bayer Becker Engineers (Dec 7th). The presentations focused on the new Butler County Earth Moving Permit; the NPDES General Construction Permit requirements for Erosion and sediment control plans (SWP3's); pre- and post-construction water quality requirements ; Phase II BMP's; appropriate and inappropriate locations for sediment control devices on plans; and even some ideas for conservation design when creating plans. Also discussed was the new erosion and sediment control (ESC) Permit and plan requirements to be issued, administered and approved by our office as well as the new Butler County zoning changes with respect to PUD requirements and planned conservation developments (PCD).

2.1f Bonus Activity: "Erosion and Sediment Control in Butler County" - Public Presentation - Kleingers & Associates
Date: 09/24/2004
The Butler SWCD conducted a series of public presentations, "Erosion and Sediment Control in Butler County," geared towards engineering consultants and developers. They were held at Abercrombie and Associates (Sept 17th), Kleingers & Associates (Sept 24th), and Receptions Banquet center in Fairfield, OH sponsored by Bayer Becker Engineers (Dec 7th). The presentations focused on the new Butler County Earth Moving Permit; the NPDES General Construction Permit requirements for Erosion and sediment control plans (SWP3's); pre- and post-construction water quality requirements ; Phase II BMP's; appropriate and inappropriate locations for sediment control devices on plans; and even some ideas for conservation design when creating plans. Also discussed was the new erosion and sediment control (ESC) Permit and plan requirements to be issued, administered and approved by our office as well as the new Butler County zoning changes with respect to PUD requirements and planned conservation developments (PCD).

2.1g Bonus Activity: "Erosion and Sediment Control in Butler County" - Public Presentation - Receptions Banquet Center, Fairfield OH.
Date: 12/07/2004
The Butler SWCD conducted a series of public presentations, "Erosion and Sediment Control in Butler County," geared towards engineering consultants and developers. They were held at Abercrombie and Associates (Sept 17th), Kleingers & Associates (Sept 24th), and Receptions Banquet center in Fairfield, OH sponsored by Bayer Becker Engineers (Dec 7th). The presentations focused on the new Butler County Earth Moving Permit; the NPDES General Construction Permit requirements for Erosion and sediment control plans (SWP3's); pre- and post-construction water quality requirements ; Phase II BMP's; appropriate and inappropriate locations for sediment control devices on plans; and even some ideas for conservation design

when creating plans. Also discussed was the new erosion and sediment control (ESC) Permit and plan requirements to be issued, administered and approved by our office as well as the new Butler County zoning changes with respect to PUD requirements and planned conservation developments (PCD).

2.2 Stream Clean-up & Monitoring

2.2a Activity: Stream Clean-up - Indian Creek
Date: 10/19/2004
A Stream Clean-Up was conducted on a quarter mile stretch of Indian Creek just south of Millville in Ross Township. The project was organized and executed by the Butler Soil and Water Conservation District (SWCD) and much of the physical labor was provided by Environmental Action Alliance of Oxford. During the clean-up, volunteers collected five 55-gallon bags of trash, one 55-gallon bag of plastic recyclables, one 55-gallon bag of aluminum recyclables, over 200 pounds of scrap metal, a 10-foot long cable wire, three tires, one car battery, and over 50 pounds of dirty diapers!

2.2b Bonus Activity: Stream Clean-up - Seven Mile Creek
Date: 6/19/2004
A Stream Clean-Up was conducted on a half mile stretch of tributary to Seven Mile Creek in Somerville, Ohio. The project was organized and executed by the Butler County Department of Environmental Services. Seven participants collected about 350 pounds of litter, including three wet-cell batteries. The event was coordinated in conjunction with ORSANCO's annual Ohio "River-sweep".

2.2c Bonus Activity: "Stream Team" Training Event
Date: 9/25/2004
The Butler County Storm Water District participated in the "Miami valley Stream Team" water quality monitoring program. Twenty 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.

2.2d Bonus Activity: Stream Walk – Gregory Creek
Date: 10/02/2004
The Butler Soil and Water Conservation District conducted a challenging, yet entertaining, educational stream walk. Topics included water quality, stream ecology, geology, physical stream attributes, and watershed mapping.

2.2e Bonus Activity: Stream Walk - Elk Creek
Date: 10/11/2004
The Elk Creek and its watershed provide the residents of Madison Township with a wonderful educational resource and an insightful look into a number of scientific concepts and environmental conditions. The Butler Soil and Water Conservation District brought these insights to the forefront of students' minds through a challenging, yet entertaining, educational stream walk. With over 130 students in the morning and afternoon, the traditional program of walking the stream channel was modified to fit the needs of a large group of students. Staff members, in cooperation with 8th grade teachers from Madison Junior High School, led students through a series of stations set up along the stream that demonstrated key attributes to the subject material on hand. Five groups of roughly 12-15 students rotated every 20-25 minutes to each of five stations (water quality, stream ecology, geology, physical stream attributes, watershed overview and mapping).

2.3 Storm Water Hotline, Database, and Response Program

2.3a Activity: Storm Water Hotline
Date: 04/07/2004 – 04/06/2005

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 continues to dedicate 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 Database and Response Program
Date: 04/07/2004 – 04/06/2005

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 180 customer inquiries. The database tracks information specific to the customers address, method of contact, nature of inquiry, and detail of inquiry/complaint resolution.

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.

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: 4/7/2007 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) presentations 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	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 – 04/06/2005
The Storm Water District has created an Illicit Discharge plan to document and respond to illicit discharges in a timely manner. Many times these discharges involve an accidental or unauthorized release of contaminants. Types of Illicit discharges could include spills, intentional dumping or industrial emissions. This plan details the steps to investigate, document, and report an illicit discharge as quickly as possible. The plan will be updated annually as additional BMPs are implemented.

3.2 Locate Problem Areas

3.2a Activity: Locate Problem Areas
Date : 4/7/2005 - Permit Expiration
Activity to begin Permit Year 3 (2005).
Please refer to Storm Water Management Plan Implementation Matrix.

3.3 Storm Sewer System Map with Outfalls

3.3a Activity: Storm Sewer System Mapping with Outfalls
Date : 2/25/2005
On February 25, 2005 the Butler County Storm Water District issued a Request for Qualifications (RFQ) to select a consultant to map outfalls not in the current GIS, and to conduct dry weather screening, sampling and testing. The project will encompass all areas contained within the District

boundary, with specific emphasis placed on the National Pollutant Discharge Elimination System (NPDES) Phase II area. Upon selecting an engineering firm, stream mapping and screening activities are to begin immediately.

3.3b 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: HSTS List and Map
Date: 04/06/2004 – 4/06/2005
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. A map has been made identifying all potential HSTS within the District using County Auditor Real Estate Records. The map will be cross referenced with the Health Department archived records. All new applications for HSTS will be added to that data.

3.5 Illicit Discharge Ordinance

3.5a Activity: Develop a draft of Illicit Discharge Ordinance
Date: 04/06/2004 – 4/06/2005
Ordinance is scheduled to be implemented and enforced within five years. In the last year, a draft Illicit Discharge Ordinance was distributed for review and comment. The ordinance is being revised based on comments. The ordinance is projected to be adopted by mid year 2005.

3.6 Non-Storm Water Discharge Plan

3.6a Activity: Non-Storm Water Discharge Plan
Date: 4/7/2007 - Permit Expiration
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
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: Five Public Presentations - Hazards of Illicit Discharges
Date : 08/14/2004 – 12/10/2004
In an effort to create awareness, Storm Water District officials conducted an informational campaign that included citizen groups placing labels on storm drains throughout neighborhoods within the District. Each of the five **(5)** separate labeling events included a presentation to participants on the hazards of illicit discharges. Door hangers were also distributed to inform local residents about the purpose of the storm drain labels and the Hazards of Illicit Discharge.

3.10b Bonus Activity: Public Presentations - Hazards of Illicit Discharges
Date : 3/4/2005
A presentation was given to 43 employees of the Butler County Engineers Office concerning the Hazards of Illicit Discharge. The presentation included an overview of the County Storm Water Management Plan, a description of illicit discharges, and a discussion on how municipal work practices can help prevent illicit discharges from government operations.

3.10c Bonus Activity: Public Presentations - Hazards of Illicit Discharges
Date : 3/14/2005
A 30 minute presentation was given to students of the Tri-County Nazarene Church. The students are pursuing their Environmental Badge. Topics included water quality and the hazards of Illicit discharges. Approximately 10 kids and 4 adults were present.

3.10d Bonus Activity: Butler County Fair - Public Presentations - Hazards of Illicit Discharges
Date : 7/25/2004 – 7/31/2004
The Butler Soil and Water Conservation District participated in the Butler County Fair – Farm Zone with an interactive stream table and a clean versus polluted stream display to educate children on water quality and the hazards of illicit discharges. Based on average booth attendance, it is estimated that 1400 people were reached over a seven day period.

3.11 Illicit Discharge Brochure

3.11a Activity: Illicit Discharge Brochure
Date: 10/23/2004
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 the city of Trenton with 4000 copies of the U.S.E.P.A. brochures titled, "After The Storm" and "Make Your Home the Solution to Pollution". These brochures were distributed door to door by volunteers during the cities annual “Make a Difference Day”.

3.12 News Releases on Illicit Discharges

3.12a Activity: News Releases on Illicit Discharges
Date : 10/14/2004
A media release was prepared and distributed concerning the hazards of Illicit discharge, and the problems of non-point source pollution. The article highlighted storm drain labeling as a simple best management practice (BMP) intended to make urban and suburban homeowners think twice about dumping waste down their storm drains. Storm drain labels are intended to educate the public and prevent these types of illicit discharges.

3.12b Activity: News Releases on Illicit Discharges
Date : 10/19/2004
A media release was prepared and distributed concerning the hazards of Illicit discharge, and the problems of non-point source pollution. The article highlighted stream clean-ups as a simple best management practice (BMP) to improve water quality in urban and suburban settings. Stream clean-ups are an excellent method to allow local citizens a chance to see and experience their rivers and streams, while at the same time providing citizens with the opportunity to understand how the impairment of water quality in their community is caused by illicit discharges and illegal dumping.

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 second 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 Document the Decision Process

3.14a 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.

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: 4/7/2005 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: 4/7/2005 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: 4/7/2005 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
Ordinance is scheduled to be implemented and enforced within five years. Current County subdivision regulations address runoff, erosion, and sediment control for platted subdivisions. The regulations are being reviewed to include all other property types and to include the authority of the County to regulate construction projects that disturb less than 5 acres (H.B.#411). In the last year, draft ordinance was distributed for review and comment. The ordinance is being revised based on comments. The ordinance is projected to be adopted by mid year 2005.

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: 4/7/2003 - 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.

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.

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.

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 Department of Environmental Services
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: 4/7/2004 – 04/06/2005
BCDES Administrative Center
A Pollution Prevention (P2) program has been implemented for the three floors of administrative and office space utilized by BCDES. P2 efforts focus on solid waste reduction, recycling awareness and energy efficiency. A work force of over 50 employees participates in the program. BCDES' "P2 Team" meets about twice per year to discuss the effectiveness of the program and potential areas for program expansion.

6.1b Activity: Train Government Employees
Date: 4/7/2004 – 04/06/2005
LeSourdsville Regional Water Reclamation Facility
A P2 program focused on solid waste reduction, recycling awareness and energy efficiency has been implemented for this facility. Over 80 employees located at LeSourdsville participate in the program. BCDES' "P2 Team" meets about twice per year to discuss the effectiveness of the program and potential areas for program expansion.

A Storm Water Pollution Prevention Plan (SWPPP) has been developed and implemented for LeSourdsville per a requirement of the facility's general industrial storm water discharge permit. The SWPPP requires regular site monitoring, inspections, and employee training. The Plan also

requires the identification of storm water pollutant sources, and the implementation of best management practices (BMPs) for the control of said sources. BCDES' Regulatory Compliance Team, which meets twice per month, ensures that all requirements related to storm water management are met.

A Spill Prevention Control and Countermeasure (SPCC) Plan has also been developed and implemented for this facility. Monthly inspections and annual training (emergency response) are also required by the Plan. BCDES' Regulatory Compliance Team, which meets twice per month, ensures that all requirements related to spill prevention and control are met.

6.1c Activity: Train Government Employees
Date: 4/7/2004 – 04/06/2005

Upper Mill Creek Regional Water Reclamation Facility
A P2 program focused on solid waste reduction, recycling awareness and energy efficiency has been implemented for this facility. About ten employees located at Upper Mill Creek participate in the program. BCDES' "P2 Team" meets about twice per year to discuss the effectiveness of the program and potential areas for program expansion.

A Storm Water Pollution Prevention Plan (SWPPP) has been developed and implemented for Upper Mill Creek per a requirement of the facility's general industrial storm water discharge permit. The SWPPP requires regular site monitoring, inspections, and employee training. The Plan also requires the identification of storm water pollutant sources, and the implementation of best management practices (BMPs) for the control of said sources. BCDES' Regulatory Compliance Team, which meets twice per month, ensures that all requirements related to storm water management are met.

A Spill Prevention Control and Countermeasure (SPCC) Plan has also been developed and implemented for this facility. Monthly inspections and annual training (emergency response) are also required by the Plan. BCDES' Regulatory Compliance Team, which meets twice per month, ensures that all requirements related to spill prevention and control are met.

6.1d Activity: Train Government Employees
Date: 4/7/2004 – 04/06/2005

Industrial P2 Outreach Program
The Butler County Department of Environmental Services has an aggressive industrial pretreatment program, with a total of thirty-five (35) industries discharging to BCDES' treatment facilities. In an effort to assist these industries, BCDES has partnered with Techsolve Inc., a local manufacturing "solutions" center, and now offers an Industrial P2 Outreach Program. For participating industries, BCDES will perform an onsite P2 audit focused on solid waste minimization, sanitary waste reduction and pretreatment, and energy efficiency. To date, two facilities have signed on with BCDES as participants in this program.

6.1e Activity: Train Government Employees
Date: 03/04/2005

A presentation was given to 43 employees of the Butler County Engineers Office concerning Pollution Prevention and the Hazards of Illicit Discharge. The presentation included an overview of the County Storm Water Management Plan, a description of illicit discharges, and a discussion on how municipal work practices can help prevent illicit discharges from government operations. The training included the use of a training video titled, "Storm Watch - Municipal Storm Water Pollution Prevention and Everyday Best Management Practices."

6.2 Maintenance Schedule

6.2a Activity: Maintenance Schedule
Date: 4/7/2004 - Permit Expiration
The Storm Water District has compiled existing maintenance plan information for fleet vehicles and operation/construction equipment in the Butler County Engineers Office. This plan describes the number and types of vehicles, the recommended maintenance checklists, and record keeping practices. The plan will be expanded to include participating government maintenance facilities and it will be updated annually as additional BMPs are implemented.

6.3 Inspection Plan for BMP's

6.3a Activity: Inspection Plan for BMP's
Date: 4/7/2004 - Permit Expiration
The Butler County Engineers Office coordinates and plans inspections of all drainage structures within the District on an annual basis. Facilities and structures have maintenance performed as necessary based upon inspection results. A report is issued annually to the County commissioners on all inspection and maintenance activities.

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.

6.4b Bonus Activity: Household Hazardous Waste and Appliance Recycling Events
Date: 4/7/2007 - Permit Expiration
Although this activity is scheduled to begin in the fifth permit year, the following activity is applicable to the Illegal Dumping and Control Program BMP requirement. Household Hazardous Waste collection days sponsored by Butler County's Solid Waste Management District. Two events were conducted in 2004. The combined results are as follows:

- Household Hazardous Waste collected: 212,276 pounds
- Computer Equipment collected: 104,510 pounds
- Appliances collected: 48.57 tons

6.4c Bonus Activity: P.R.I.D.E. Program
Date: 4/7/2007 - Permit Expiration
Although this activity is scheduled to begin in the fifth permit year, the following activity is applicable to the Illegal Dumping and Control Program BMP requirement. PRIDE stands for "Providing Responsibilities for Inmates through Duties for the Environment". Led by the litter crew supervisor, inmates from the Resolutions medium security prison collect litter along public rights-of-ways and in parks and, sometimes, assist in the removal of waste from illegal dumpsites.

- PRIDE Crew "common litter" collected in 2004 (in pounds):

1st Qtr	31,760
2nd Qtr	22,580
3rd Qtr	18,880
4th Qtr	8,580

- PRIDE Crew "other materials" collected in 2004 (in pounds):

Scrap metal	2,860
Cans	3,121
Tires	549
Wood	1,800

- PRIDE Crew miles traveled in 2004:

1st Qtr	39
2nd Qtr	52.6
3rd Qtr	166.6
4th Qtr	38.2

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.

Butler County Storm Water District
Additional Bonus Activities

B1
Activity Title: Mill Creek Signage Committee
Activity Description: Committee member
Date: 2004 - Monthly Meetings
Responsible Party: Butler County Storm Water District

The Mill Creek Signage Committee is involved with public awareness and education of the Mill Creek Watershed. This is accomplished by coordinating stream crossing sign installation with public awareness and education programs. In the year 2004, Butler County Storm Water District was responsible for stream crossing signage at a minimum of 14 locations.

B2
Activity Title: Butler County Water Festival
Activity Description: Classroom Coordinator.
Date: 10/15/2004
Responsible Party: Butler County Storm Water District

The Butler County Water Festival was held October 15, 2004 at Miami University Hamilton. The "Hands on Day of Discovery" was attended by 1,000 fourth, fifth and sixth graders, 49 presenters, and 75 volunteers from across Butler County. 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.

B3
Activity Title: River Roundtable
Activity Description: Great Miami River Festival Committee
Date: 2004 - Monthly Meetings
Responsible Party: Butler County Storm Water District

The Butler County Storm Water District is a participating member of the River Roundtable group. 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. Since 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.

B4
Activity Title: Mill Creek Watershed Council
Activity Description: Quarterly Council Meetings
Date: 2004 - Quarterly Meetings
Responsible Party: Butler County Storm Water District

A representative from the Butler County Storm Water District attended 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

B5
Activity Title: Mill Creek Watershed Council Executive Committee
Activity Description: Executive Committee Meetings
Date: 2004 Monthly Meetings
Responsible Party: Butler County Storm Water District

A representative from the Butler County Storm Water District attended monthly meetings of the Mill Creek Watershed Council Executive Committee. The Mill Creek Watershed 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 Executive Committee slate of candidates includes Bob Lentz of the Butler County Storm Water District.

B6
Activity Title: Ohio Storm Water Taskforce
Activity Description: Technical Committee Meeting
Date: 11/04/2004
Responsible Party: Butler County Storm Water District
A representative from the Butler County Storm Water District attended Ohio Storm Water Taskforce Technical Committee Meeting. 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 group's 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.

B7
Activity Title: Trenton Area Storm Water Management Project
Activity Description: Drainage Study
Date: 8/03/2004
Responsible Party: Butler County Storm Water District
The Butler County Storm Water District has initiated a study for the purpose of identifying water quality and quantity issues in this watershed area. The study will provide data that is related to storm water quality and quantity as well as ground water quality within the study area. The study will provide maps showing the ground features in the study area along with ground water infiltration areas. The drainage area will be analyzed to show flooding characteristics and any drainage structures that impact flow characteristics of the channels in the area.

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 2004 Phase II Storm Water Activities for Collaborating Communities

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.					
BMP	**Measurable Goal**	**Time Line**	**Responsible Party**	**Status**	**Section**
*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: 4/24/2003 End Date: 10/24/2004 Duration:	Miami Conservancy District - Watershed Team	Complete	Bonus 1
*Publish storm water awareness print ads in newspapers of general circulation	Publish the ads in 10 editions during the period designated	Start Date: 5/24/2003 End Date: 11/24/2004 Duration:	Miami Conservancy District - Watershed Team	Complete	Bonus 2
*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 Duration:	Miami Conservancy District - Watershed Team	On-going	1.3
*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: 3/24/2008 Duration:	Miami Conservancy District - Watershed Team	On-going	1.4

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: 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 http://www.miamiconservancy.org/phaseII/Work_Sessions.htm
Start Date: 4/15/2004
End Date: 4/15/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: This session had approximately 85 people in attendance. The first of the series, "Staying out of Trouble 101" included the following speakers: Chris Cotton from the Ohio EPA on

Inspection and Enforcement, Kip Brown from Miami Valley Fly Fishers about the importance of keeping the rivers clean and Greg Vreeland from the HBA on how to stay out of trouble and demonstrated sediment and erosion control devices. You may access the agenda, attendees, feedback and presentations at http://www.miamiconservancy.org/phaseII/Work_Sessions.htm

1.3 b
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 http://www.miamiconservancy.org/phaseII/Work_Sessions.htm
Start Date: 5/13/2004
End Date: 5/13/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: This session had approximately 85 attendees. The second of the series, "Seed It, Sod It, or Leave It Alone" included a presentation on a step-by-step process for erosion and sediment control by Greg Vreeland from the Home Builders Association. You may access the agenda, attendees, feedback and presentations at http://www.miamiconservancy.org/phaseII/Work_Sessions.htm

1.3 c
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. For more information on the training series, please go to Miami Conservancy District's web-site at www.miamiconservancy.org/phaseII/Work_Sessions.htm
Start Date: 6/10/2004
End Date: 6/10/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: This session had approximately 80 attendees. The third and final of the series, "Common Myths about Sediment and Erosion Control" 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 (HBA), and Angela Manuszak (Miami Conservancy District). You may access the agenda, attendees, feedback and presentations at http://www.miamiconservancy.org/phaseII/Work_Sessions.htm

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1.4
BMP: Coordinate a tour of storm water best management practices 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: During the Great Miami River Network Meeting in September, the City of Dayton conducted a Best Management Practices Tour. Environmental Management staff from the City of Dayton's Water Department showed participants the city's Phase I storm water management efforts. Having been regulated by the Phase I program for over a decade, the city led the group on a walking tour that helped participants experience the city's storm-sewer mapping project, sewer-camera truck and equipment, monitoring protocols, pump stations, outfall surveying, emergency response, and community relations efforts. You may access detailed information at http://www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm
Start Date: 9/2/2004
End Date: 9/2/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Approximately 50 people attended the City of Dayton's walking tour of storm water best management practices.

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.					
BMP	**Measurable Goal**	**Time Line**	**Responsible Party**	**Status**	**Section Number**
*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: 3/24/2008 Duration:	Miami Conservancy District - Watershed Team	On-going	2.1
*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 Duration:	Miami Conservancy District - Watershed Team	On-going	2.2
*Promote stakeholder participation in community-based watershed groups as a means to improve stream health	Community-based Watershed Organization Inventory published	Start Date: 3/25/2003 End Date: 11/25/2003 Duration:	Miami Conservancy District - Watershed Team	Complete	
*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: 3/24/2008 Duration:	Miami Conservancy District - Watershed Team	On-going	2.4

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: 9/25/2004
End Date: 9/25/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Twenty 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 Meetings
Activity Description: The Great Miami River Watershed Network meets to facilitate resource-sharing and limit duplication of effort.
Start Date: 3/4/2004
End Date: 3/4/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Approximately 40 people attended this meeting which included: 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 is available via Miami Conservancy District's web-site at http://www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm

2.2 b
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.
Start Date: 6/9/2004
End Date: 6/9/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Approximately 36 people attended this meeting which included: USEPA Watershed Initiative Grant Update, MVRPC work update, MCD Watershed Initiative progress report, strategic planning for 2004-2005, a presentation titled, “An innovative Approach to Community Driven Watershed Management” by the Executive Director of Chagrin Watershed Partners, Inc. and a discussion led by Indian Lake Watershed Project about local fund-raising that works. A list of attendees, the agenda and meeting minutes is available via Miami Conservancy District's web-site at http://www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm

2.2 c
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.
Start Date: 9/2/2004
End Date: 9/2/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Approximately 50 people attended this meeting which included Dayton’s Phase I storm water management efforts in a Best Management Practice Tour given by the City of Dayton. Having been regulated by this program for over a decade, the city provided hand-outs and led the group on a tour that helped participants experience their storm-sewer mapping project, sewer-camera truck and equipment, monitoring protocols, pump stations, outfall surveying, emergency response, and community relations efforts. A list of attendees, the agenda and meeting minutes is available via Miami Conservancy District's web-site at http://www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.htm

2.2d
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.
Start Date: 12/2/2004
End Date: 12/2/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Approximately 36 people attended the meeting which included: an update from MVRPC, MCD Watershed Initiative progress report and a presentation titled, "Funding for Water Quality Improvement: Ohio's Water Pollution Control Loan Fund - WRRSP (Water Resource Restoration Sponsor Program)" given by Bob Monsarrat (Ohio EPA - Division of Environmental and Financial Assistance), Mo Eichman (Tipp City Public Works Director) and Dane Mutter (Honey Creek Watershed Coordinator "emeritus"). A list of attendees, the agenda and meeting minutes is available via Miami Conservancy District's web-site at
http://www.miamiconservancy.org/Great_Miami_River_Watershed/GMRW_Partnership/PreviousMeetings.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, Dayton, Ohio
Activity Description: Miami Conservancy District supported the Children's Water Festival by being a member of the planning committee with the responsibility of recruiting and coordinating presenters, giving two separate presentations, providing one volunteer and a monetary donation.
Start Date: 5/5/2004
End Date: 5/5/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Miami Conservancy District presented to approximately 330 children on flooding, rain gauges, dams, 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: Honey Creek Watershed Festival
Activity Description: Miami Conservancy District supported the Honey Creek Watershed Festival with a monetary donation and display.
Start Date: 4/17/2004
End Date: 4/17/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Miami Conservancy District donated $500 to the Honey Creek Watershed Festival.

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 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 Duration:	Miami Conservancy District - Rivers & Streams	On-going	3.1

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 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 data into the Phase II Application and Database Information System (PADIS).
Start Date: 2/4/2004
End Date: 2/9/2004
Responsible Party: Miami Conservancy District
Result Statement: 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.

3.1 b
Activity Title: Outfall Identification in Miamisburg, 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 data into the Phase II Application and Database Information System (PADIS).
Start Date: 2/10/2004
End Date: 2/19/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Miami Conservancy District staff located 38 outfalls in Miamisburg. 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 Hamilton, 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 data into the Phase II Application and Database Information System (PADIS) database.
Start Date: 2/25/2004
End Date: 4/15/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Miami Conservancy District staff located 125 outfalls in Hamilton. This included collecting coordinates, digital photograph, description and receiving stream. This data was then entered into the PADIS database.

BONUS ACTIVITIES

B1
Activity Title: 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. 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 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: 5/31/2004
End Date: 9/25/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: The public service announcement aired 1162 times between May 31 and September 25, 2004. Based on information from our media partners, we estimate conservatively that 850,000 individuals saw 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

B2
Activity Title: Newspaper print advertisement
Activity Description: A newspaper print advertisement ran once in the Country Anglin' *Outdoor Guide*.
Start Date: September 1, 2004
End Date: October 31, 2004
Lead Responsible Party: Miami Conservancy District
Result Statement: The Country Anglin' Outdoor Guide is sent to 25,000 readers within a 50 mile radius of Troy.

B3
Activity Title: Distribution of *Life at the Water's Edge*
Activity Description: Miami Conservancy District distributed copies of the publication, *Life at the Water's Edge* to soil and water conservation districts within the Great Miami River Watershed to share with residents living along a stream. This publication shows homeowners how they can keep their backyard stream healthy.
Start Date: 6/1/2004
End Date: 7/1/2004
Lead Responsible Party: Miami Conservancy District

Result Statement: Miami Conservancy District distributed 3,000 copies of *Life at the Water's Edge* throughout the Great Miami River Watershed.

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: 4/22/2004
End Date: 4/22/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Miami Conservancy District presented to approximately 125 sixth- graders on the connection between land use and water quality and the technology behind measuring precipitation during a storm event.

B5
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: 10/15/2004
End Date: 10/15/2004
Lead Responsible Party: Miami Conservancy District
Result Statement: Miami Conservancy District presented to approximately 90 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.