



Division of Surface Water
NPDES Small MS4 General Permit
(OHQ000003) Annual Reporting Form

Instructions for completing this form

- OHQ000003 requires that this form be used when submitting annual reports. You may request approval to use your own reporting format.
- Annual Reports are due annually on or before April 1st.
- Complete the form and sign and date the certification statement below
- If more space is needed than is provided, identify within the provided space that Attachment A, B, C, etc. has been attached.
- If an item of the form is not applicable for your program (such as street sweeping), fill in N/A in the space provided.
- Do not include attachments such as brochures, newspaper clips, sign-in sheets, etc. related to your program with this form.
 You only need to summarize these within this report. These records must be filed and will be needed during program audits.
- When complete, submit this Annual Report form to the following address:
 Ohio Environmental Protection Agency
 Division of Surface Water
 Storm Water Program-Small MS4
 P.O. Box 1049
 Columbus, Ohio 43216-1049

General Information

| | | | |
|--|--|---|------------------------|
| Small MS4 Annual Report for Year: 2021 | | Ohio EPA Facility Permit Number: 1GQ00051*CG | |
| Name of MS4: Butler County Storm Water Dist | | | |
| Mailing Address: 1921 FAIRGROVE AVE | | | |
| City: HAMILTON | | State: OH | Zip Code: 45011 |
| Country: USA | | County: BUTLER | |
| Primary Contact: GREGORY WILKENS | | Title: Storm Water Engineer | |
| Email Address: wilkensg@bceo.org | | Phone: (513) 867-5744 | Fax: |

Include or attach a Table of Organization. Indicate who (name and contact information) is responsible for overall management and implementation of your program, and if different, each minimum control measure of your program. Identify how development and implementation across multiple positions, agencies and departments occur. Also, identify any Memorandum of Understandings (MOUs) or other such agreements that exist.

Upload File Name for Table of Organization: Attachment A - Organizational Chart_2021.pdf

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 gather and evaluate 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, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.

| | |
|---|--|
| Applicant Name: Gregory Wilkens | Title: Butler County Engineer |
| Signature: Electronically submitted by wilkensg | Date: Electronically submitted on 04/01/2022 |

PUBLIC EDUCATION AND OUTREACH

Estimate Your Permit Area of Total Population: 144795

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | % Target Audience | Effective |
|------------------------------------|------------------------------------|--|-------------------------------------|-----------------|-------------------|-----------|
| Regional Storm Water Collaborative | Butler County Storm Water District | Annually prepare at least one Press Release Packet and distribute to local media | Watershed Awareness & Water Quality | General Public | 51 | Yes |

Summary of Results: The Regional Storm Water Collaborative utilizes mass media and shared resources in order to raise awareness concerning environmental quality issues in the Ohio River Valley. By leveraging joint resources, our alliance is capable of reaching regional audiences with a consistent message in the most economical and efficient manner possible. The Butler County Storm Water District, is an active founding member of the Regional Storm Water Collaborative.

Comments: BROADCAST MEDIA:
 The Collaborative partnered with Local 12 in 2021. We purchased spots that generated 1,818,200 impressions. The videos used in the advertising campaign addressed the issues of Household Hazardous Waste and encouraged people to . ¿Take Back Your Home¿ by disposing of hazardous materials properly and purchasing less toxic chemicals in appropriate amounts..¿ The videos created for this campaign were also posted to the YouTube channel.

YouTube:
 The videos received 1,393 views, 17,029 impressions and were viewed for 60.3 hours on YouTube.

iHeart Media:
 The Collaborative took on an online campaign targeting website and TV Streamers as well as digital radio. Digital Radio -Impressions: 380,481
 Over the Top (OTT) on streaming TV: Impressions: 181,499

WEBSITE: www.savelocalwaters.org Page views: 24,282
 Users: 9,616

SOCIAL MEDIA: Facebook Impressions: 10,515
 Followers: 1,404
 Reach: 8,516

EVENTS:
 The Rain Barrel Art Project is Save Local Waters¿ signature program. This program invites local artists of all levels to paint our 38 Rain Barrels provided by the Metropolitan Sewer District. These Rain Barrels are then displayed at the Cincinnati Zoo for a period of 3 weeks. During these weeks tens of thousands interact and view these Rain Barrels. At the end of the Display period the Rain Barrels are auctioned off during the Zoo¿s Party for the Planet. Here are some highlights from last year's project:

- 134 Individuals Participated
- 40 Rain Barrels Painted
- 69 Schools/Universities Participated
- 65 Individuals and Private Businesses

| | | | | | | |
|-------------------------------------|---|---|-------------------------------------|-----------------------|----|-----|
| Education Program for Local Schools | Butler Soil & Water Conservation District | Adopt and Distribute K-12 Water Curricula Program | Watershed Awareness & Water Quality | Students: grades K-12 | 51 | Yes |
|-------------------------------------|---|---|-------------------------------------|-----------------------|----|-----|

Summary of Results: 112 classroom programs reached 2,983 students.

Comments: This year the Butler Soil and Water Conservation District conducted 112 education programs within NPDES Phase II affected areas in Butler County. 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.

| | | | | | | |
|----------|------------------------------------|--|--------------------------------------|------------------------------------|----|-----|
| Webcasts | Butler County Storm Water District | Host at least one educational storm water webcast and document the number of people in attendance during the webcast presentation. | Storm Water and Watershed Management | General Public and MS4 Communities | 51 | Yes |
|----------|------------------------------------|--|--------------------------------------|------------------------------------|----|-----|

Summary of Results: In an effort to provide educational opportunities about storm water and watershed management issues, each year the Butler County Storm Water District hosts a variety of webcast seminars produced by the Center for Watershed Protection. Due to COVID-19 restrictions, public meetings were prohibited in county facilities. As an alternative public education option, the Butler County Storm Water District sponsored the virtual component of the 2021 Ohio Storm Water Conference. The live presentations were able to be viewed remotely during the virtual conference and subsequently made available as on-demand content to be viewed at a later time. Three hundred seventy two (372) people attended the three day virtual part of the conference.

Comments:

PUBLIC EDUCATION & OUTREACH

Summarize activities you plan to undertake during the next reporting cycle.

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | % Target Audience | Proposed Schedule |
|------------------------------------|------------------------------------|--|---|-----------------|-------------------|---|
| Regional Storm Water Collaborative | Butler County Storm Water District | Annually prepare at least one Press Release Packet and distribute to local media | Various themes which may include, and are not limited to; water quality, litter prevention, waste reduction, recycling, conservation, environmental stewardship and pollution reduction | General Public | 51 | Will vary based on number of participating municipalities and the type of media selected. |

Summary of Planned Activities: As a member of the Regional Storm Water Collaborative, contract with various local mass media networks to provide billboard, radio and/or television spots as Public Service Announcements

Comments: n/a

| | | | | | | |
|----------|------------------------------------|--|--------------------------------------|------------------------------------|----|--------------------------------------|
| Webcasts | Butler County Storm Water District | Host at least one educational storm water webcast and document the number of people in attendance during the webcast presentation. | Storm Water and Watershed Management | General Public and MS4 Communities | 51 | Once per year during the permit term |
|----------|------------------------------------|--|--------------------------------------|------------------------------------|----|--------------------------------------|

Summary of Planned Activities: The Butler County Storm Water District will annually sponsor or host an educational storm water webcast that is produced and presented by other agencies. Notification about opportunities to view the webcast for free at the Butler County Engineer's Office will be provided prior to the webcast.

Comments: n/a

| | | | | | | |
|-------------------------------------|---|--------------------------------------|---|----------------------|----|---|
| Education Program for Local Schools | Butler Soil & Water Conservation District | Provide K-12 Water Curricula Program | Various themes which may include, and are not limited to; water quality, litter prevention, waste reduction, recycling, conservation, environmental stewardship and pollution reduction | School Children K-12 | 51 | Provide programs as requested throughout the school year. |
|-------------------------------------|---|--------------------------------------|---|----------------------|----|---|

Summary of Planned Activities: Provide a variety of educational programs to school districts within Butler County.

Comments: n/a

PUBLIC INVOLVEMENT AND PARTICIPATION

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | Estimate Of People Participated | Effective |
|--------------------------------------|------------------------------------|---|-------------------|-----------------|---------------------------------|-----------|
| Clean Sweep of the Great Miami River | Butler County Storm Water District | Facilitate and oversee one Stream Clean-Up and Monitoring Program each year | Litter Prevention | General Public | 368 | Yes |

Summary of Results: 368 participants in Butler and Hamilton County (633 participants overall.)

6.25 tons of trash and 72 tires collected in Butler and Hamilton County (9.7 tons of trash and 212 tires overall) WEBSITE: www.greatmiamirivercleanup.org; 2,102 visitors

Comments: On October 24th, in the Butler and Hamilton County area, 417 participants collected 5.2 tons of litter and 115 tires at sites long the Great Miami River. Overall seven hundred eighteen (718) volunteers participated watershed wide in an effort to clean up the entire 170 mile river.

| | | | | | | |
|--|------------------------------------|--|--|----------------|-----|-----|
| Storm Water Hotline, Database and Response Program | Butler County Storm Water District | Document Complaints Received and Follow up in a timely manner. | Illicit Discharge, Illegal Dumping; Drainage; Sanitary; HSTS; Erosion; Other | General Public | 186 | Yes |
|--|------------------------------------|--|--|----------------|-----|-----|

Summary of Results: 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 recorded over 186 customer inquiries for the year 2021. The database tracks information specific to the customers address, method of contact, nature of inquiry, and detail of inquiry/complaint resolution.

Comments: n/a

| | | | | | | |
|----------------------|---|--|------------------------------|-------------------------------|----|-----|
| Storm Drain Labeling | Butler Soil & Water Conservation District | Document the number of storm drains labeled annually, and document the number of neighborhood volunteers who assist with the storm drain labels. | Hazards of Illicit Discharge | Homeowners and General Public | 15 | Yes |
|----------------------|---|--|------------------------------|-------------------------------|----|-----|

Summary of Results: Three separate labeling events were planned for the 2021 permit year. The Three events resulted in the installation nine hundred fifty (950) storm drain labels on catch basins and the distribution of illicit discharge information to houses by fifteen (15) community volunteers.

Comments: 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 labels 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.

| | | | | | | |
|---------------------------|------------------------------------|--|---|-----------------------------|----|-----|
| Butler County Stream Team | Butler County Storm Water District | Facilitate and oversee one Stream Clean-Up and Monitoring Program each year. | Volunteers collect data and monitor stream health | General Public and Students | 50 | Yes |
|---------------------------|------------------------------------|--|---|-----------------------------|----|-----|

Summary of Results: In 2021, the Stream Team sampled 77 stream locations monthly. Samples were collected by 42 field volunteers and analyzed in the lab on Miami University's campus by volunteers. The number of volunteers who participated in the laboratory was 8.

In addition to sampling, the Stream team conducted the following activities: WEBSITE:

www.butlercountystreamteam.org

Actual web visitors: 314 with 734 page views.

NEWSLETTER: 13 issues distributed to an average of 240 recipients each time.

ANNUAL TRAINING BREAKFAST: 52 people attended training for Level 2 Credible Data sampling requirements. Reviewed data summary for 2020 sampling season.

MACRO SAMPLING: 36 people attended a two part training exercise consisting of classroom instruction and in-field demonstrations.

cQHEI TRAINING: 4 people attended the training exercise consisting of classroom instruction and in-field demonstrations.

Comments: The Butler County Storm Water District teamed up with Miami University Institute for Environmental Science and the Butler Soil and Water Conservation District to promote and implement a monthly volunteer stream monitoring program to assess local stream quality. A protocol for the lab and field procedures was approved by the Ohio EPA Credible Data Program . The Stream Team sampled 77 locations a month and had 42 field volunteers and 8 lab volunteers. When samples are returned to the lab, they are analyzed for six parameters: nitrates, phosphates, bacteria, conductivity, total dissolved solids, pH, and turbidity.

For more information concerning the Butler County Stream Team, visit : www.butlercountystreamteam.org

Comments: The Butler County Storm Water District teamed up with Miami University Institute for Environmental Science and the Butler Soil and Water Conservation District to promote and implement a monthly volunteer stream monitoring program to assess local stream quality. A protocol for the lab and field procedures was approved by the Ohio EPA Credible Data Program . The Stream Team sampled 77 locations a month and had 42 field volunteers and 8 lab volunteers. When samples are returned to the lab, they are analyzed for six parameters: nitrates, phosphates, bacteria, conductivity, total dissolved solids, pH, and turbidity.

For more information concerning the Butler County Stream Team, visit : www.butlercountystreamteam.org

PUBLIC INVOLVEMENT AND PARTICIPATION

Summarize activities you plan to undertake during the next reporting cycle.

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | Estimate of People to Participate | Proposed Schedule |
|----------------------|------------------------------------|--|------------------------------|-------------------------------|-----------------------------------|--|
| Storm Drain Labeling | Butler County Storm Water District | Document the number of storm drains labeled annually, and document the number of neighborhood volunteers who assist with the storm drain labels. | Hazards of Illicit Discharge | Homeowners and General Public | 20 | Throughout the year as weather permits |

Summary of Planned Activities: Utilize neighborhood volunteers to install storm drain labels and distribute information to residential properties on hazards of illicit discharge

Comments:

| | | | | | | |
|--------------------------------------|------------------------------------|--|--|----------------|-----|--------|
| Clean Sweep of the Great Miami River | Butler County Storm Water District | Facilitate and oversee one Stream Clean-Up and Monitoring Program each year. | Litter Prevention Illicit Discharge, Illegal Dumping; Drainage; Sanitary; HSTS; Erosion; Other | General Public | 300 | Annual |
|--------------------------------------|------------------------------------|--|--|----------------|-----|--------|

Summary of Planned Activities: Coordinate clean-up of Great Miami River at multiple sites in Butler County.

| | | | | | | |
|--|------------------------------------|--|--|----------------|-----|-------|
| Comments: n/a | | | | | | |
| Storm Water Hotline, Database and Response Program | Butler County Storm water District | Document Complaints Received and Follow up in a timely manner. | Illicit Discharge, Illegal Dumping; Drainage; Sanitary; HSTS; Erosion; Other | General Public | 100 | Daily |

Summary of Planned Activities: Track information specific to the customers address, method of contact, nature of inquiry, and detail of inquiry/complaint resolution. Respond and resolve complaint in a timely manner.

| | | | | | | |
|---------------------------|------------------------------------|--|---|-----------------------------|----|---------|
| Comments: n/a | | | | | | |
| Butler County Stream Team | Butler County Storm Water District | Facilitate and oversee one Stream Clean-Up and Monitoring Program each year. | Volunteers collect data and monitor stream health | General Public and Students | 50 | Monthly |

Summary of Planned Activities: Meet monthly with volunteer stream monitors to assess local stream quality.

| | | | | | |
|--|--|--|--|--|--|
| Comments: n/a | | | | | |
| ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE) | | | | | |

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Cite Local Code(s) Being Used (If available, web link for code(s)) | Effective |
|---|------------------------------------|--|-----------|---|-----------|
| Ordinance or Other Regulatory Mechanism | Butler County Storm Water District | Establish Illicit Discharge Ordinance for District; implement and enforce. | Yes | Butler County Illicit Discharge Detection and Elimination Regulations (Resolution No. 09-11-1954) | Yes |

Summary of Results or Activities: On November 12, 2009, the Butler County Board of Commissioners signed and adopted the Illicit Discharge Detection and Elimination Regulations. The final draft is available on the District website: www.stormwaterdistrict.org

| Comments: n/a | | | | | |
|------------------------|------------------------------------|--|-----------|--|-----------|
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |
| Storm Sewer System Map | Butler County Storm Water District | Document any new information added to the storm sewer system mapping database. | Yes | 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. | Yes |

| Comments: n/a | | | | | |
|-----------------|-------------------|-----------------|-----------|----------------------------------|-----------|
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |

| | | | | | |
|-----------------------|------------------------------------|--|-----|---|-----|
| HSTS Mapping and List | Butler County Storm Water District | Document any new or updated HSTS information that is added to the storm sewer system mapping database. | Yes | The Butler County Storm Water District researched archived HSTS records held by the Butler County Health Department. The information can be viewed graphically with the use of the county GIS system. A map has been made identifying existing HSTS within the District. Updates are made on an annual basis. All new applications for HSTS will be added to that data. | Yes |
|-----------------------|------------------------------------|--|-----|---|-----|

Comments: n/a

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |
|-----------------|------------------------------------|---------------------------------|-----------|--|-----------|
| IDDE Plan | Butler County Storm Water District | Develop and implement IDDE plan | Yes | By creating and adopting an illicit discharge regulation, the Storm Water District has established the methods and standards for best management practices (BMPs) for controlling the introduction of pollutants into the municipal separate storm sewer system. The regulation establishes the authority and means by which the District will carry out inspection, monitoring and enforcement procedures necessary to ensure compliance. The Butler County Storm Water District created a database and response program to document and accurately record contact information regarding spill reports, illicit discharges, illegal dumping, and citizen complaints. The information obtained from the hotline and database can be mapped with the use of the county GIS system. Problem areas can be viewed graphically based on type, location, and frequency. This database is updated on a regular basis to help identify and resolve problem areas | Yes |

Comments: n/a

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Total # of Outfalls | # of Outfalls Screened | # of Dry-Weather Flows Identified | # of Identified Illicit Discharges | # of Eliminated Illicit Discharges | Effective |
|-----------------------------------|------------------------------------|---|-----------|---------------------|------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------|
| Dry-Weather Screening of Outfalls | Butler County Storm Water District | Track the location and number of outfalls screened for illicit discharges during dry weather. | Yes | 519 | 0 | 0 | 0 | 0 | Yes |

Comments: Butler County offices were closed periodically in compliance with COVID-19 quarantine guidelines. The limitations imposed did not allow dry weather flow outfall inspections to take place in 2021. Total number of outfalls will be screened by the end of the permit term.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Planned Activities | Comments | Effective |
|-----------------|-------------------|-----------------|-----------|-------------------------------|----------|-----------|
|-----------------|-------------------|-----------------|-----------|-------------------------------|----------|-----------|

No records found

ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

Summarize activities you plan to undertake for the next reporting cycle.

| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
|-----------------|------------------------------------|--|--|-------------------|
| HSTS Mapping | Butler County Storm Water District | Document any new or updated HSTS information that is added to the storm sewer system mapping database. | Updates are made on an annual basis. All new applications for HSTS will be added to that data. | Annually |

Comments: n/a

| | | | | |
|-----------|------------------------------------|---------------------------------|-----------------------------------|----------|
| IDDE Plan | Butler County Storm Water District | Continue to implement IDDE plan | Review and update plan as needed. | Annually |
|-----------|------------------------------------|---------------------------------|-----------------------------------|----------|

Comments:

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|---|------------------------------------|--|--|----------|
| Ordinance or Other Regulatory Mechanism | Butler County Storm Water District | Continue to implement and enforce IDDE regulation. | Review IDDE regulation and update as needed. | Annually |
|---|------------------------------------|--|--|----------|

Comments: n/a

| | | | | |
|------------------------|------------------------------------|--|---|----------|
| Storm Sewer System Map | Butler County Storm Water District | Document any new information added to the storm sewer system mapping database. | Each year as new development occurs throughout the District the sewer map will be reviewed and updated. | Annually |
|------------------------|------------------------------------|--|---|----------|

Comments: n/a

| | | | | |
|-----------------------------------|------------------------------------|---|---|----------|
| Dry-Weather Screening of Outfalls | Butler County Storm Water District | Track the location and number of outfalls screened for illicit discharges during dry weather. | All outfalls will be screened at least once during the permit term. | Annually |
|-----------------------------------|------------------------------------|---|---|----------|

Comments:

CONSTRUCTION SITE RUNOFF CONTROL

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Cite Local Code(s) Being Used (If available, web link for code(s)) | Effective |
|---|------------------------------------|---|-----------|--|-----------|
| Ordinance or Other Regulatory Mechanism | Butler County Storm Water District | Compliance with NPDES Construction General Permit requirements. | Yes | Butler County Subdivision Regulations | Yes |

Summary of Results or Activities: The Butler County Subdivision regulations were revised in 2011. The revisions were adopted on January 12, 2012. The revisions covered a number of non-point source pollution topics including construction site storm water discharges and groundwater pollution potential.

Comments: n/a

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Standards Being Used | Effective |
|-----------------|-------------------|-----------------|-----------|----------------------|-----------|
|-----------------|-------------------|-----------------|-----------|----------------------|-----------|

| | | | | | |
|---|------------------------------------|---|-----|---|-----|
| Sediment and Erosion Control Requirements | Butler County Storm Water District | Compliance with NPDES Construction General Permit requirements. | Yes | Erosion and Sediment Control Regulations: Article VII - Butler County Subdivision Regulations | Yes |
|---|------------------------------------|---|-----|---|-----|

Summary of Results or Activities: Erosion and Sediment Control Regulations: Article VII were adopted as part of the of the Butler County Subdivision regulations on March 12, 2007. The changes were effective during the Summer of 2007.

Comments: n/a

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Number of Complaints Received | Number of Complaints Followed Up On | Effective |
|-------------------|------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------------|-----------|
| Complaint Process | Butler County Storm Water District | Respond to all complaints | Yes | 9 | 9 | Yes |

Summary of Results or Activities: Responded to and resolved all complaints.

Comments: n/a

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Sites Requiring Plans | # of Plans Reviewed | Effective |
|-----------------------------|------------------------------------|--------------------------------------|-----------|----------------------------|---------------------|-----------|
| Site Plan Review Procedures | Butler County Storm Water District | Review all site plans for compliance | Yes | 677 | 667 | Yes |

Summary of Results or Activities: Made plan comments to ensure that all sites were in compliance with regulations.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Applicable Sites | # of Sites Inspected | Average Frequency | Effective |
|----------------------------|------------------------------------|---|-----------|-----------------------|----------------------|-------------------|-----------|
| Site Inspection Procedures | Butler County Storm Water District | Inspect all applicable sites for compliance | Yes | 677 | 836 | 1 | Yes |

Summary of Results or Activities: Inspected active sites for compliance with Erosion and Sediment control Regulations

Comments: Residential sites are inspected every two weeks and commercial sites are inspected monthly.

Upload File Name(s) for Applicable Sites: Attachment B - Lot ESC Report Detail.pdf

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Violation Letters | # of Enforcement Actions | Effective |
|------------------------|------------------------------------|-------------------------------------|-----------|------------------------|--------------------------|-----------|
| Enforcement Procedures | Butler County Storm Water District | Ensure compliance with regulations. | Yes | 10 | 0 | Yes |

Summary of Results or Activities: Violations resolved. Enforcement actions unnecessary.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Measurements | Effective |
|-----------------|-------------------|-----------------|-----------|--------------|-----------|
|-----------------|-------------------|-----------------|-----------|--------------|-----------|

No records found

CONSTRUCTION SITE RUNOFF CONTROL

Summarize activities you plan to undertake during the next reporting cycle.

| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
|------------------------|------------------------------------|-------------------------------------|---|-------------------|
| Enforcement Procedures | Butler County Storm Water District | Ensure compliance with regulations. | Enforce compliance on all active sites. | As needed. |

| | | | | |
|----------------------------|------------------------------------|---|---|------------|
| Comments: | | | | |
| Site Inspection Procedures | Butler County Storm Water District | Inspect all applicable sites for compliance | Inspect active sites for compliance with Erosion and Sediment control Regulations | As needed. |

| | | | | |
|---|------------------------------------|---|--|------------|
| Comments: | | | | |
| Ordinance or Other Regulatory Mechanism | Butler County Storm Water District | Compliance with NPDES Construction General Permit requirements. | Review Federal and State rule changes and revise county regulations. | As needed. |

| | | | | |
|-------------------|------------------------------------|----------------------------|---|------------|
| Comments: | | | | |
| Complaint Process | Butler County Storm Water District | Respond to all complaints. | Respond to all complaints and ensure compliance with all regulations. | As needed. |

| | | | | |
|---|------------------------------------|---|--|------------|
| Comments: | | | | |
| Sediment and Erosion Control Requirements | Butler County Storm Water District | Compliance with NPDES Construction General Permit requirements. | Review Federal and State rule changes and revise county regulations. | As needed. |

Comments:

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Cite Local Code(s) Being Used (If available, web link for code(s)) | Effective |
|---|--|--|-----------|--|-----------|
| Ordinance or Other Regulatory Mechanism | Butler County Storm Water District and Co-Permittees | Comply with post-construction requirements for NPDES phase II permit. (ie. Provide for open space, minimization of impervious area, protection of natural resources, etc.) | Yes | Butler County Subdivision Regulations Butler County Flood Damage Prevention Regulations Butler County Zoning Code Township Zoning Code (Fairfield, Liberty, St. Clair, Wayne, West Chester) City of Trenton Subdivision Regulations and Zoning | Yes |

Summary of Results or Activities: All documents have been updated to include post construction requirements. Documents are reviewed as needed to ensure compliance.

| Comments: | | | | | |
|--------------------------------|--|---|-----------|---|-----------|
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Structural and/or Non-Structural Standards Being Used | Effective |
| Post-Construction Requirements | Butler County Storm Water District and Co-Permittees | Comply with post-construction requirements for NPDES phase II permit. | Yes | Ohio EPA Construction General Permit requirements ODNR Rainwater and Land Development Manual ODOT Location and Design Manual Also, see above document list. | Yes |

Summary of Results or Activities: All documents have been updated to include post construction requirements. Documents are reviewed as needed to ensure compliance.

| Comments: | | | | | | |
|-----------------------------|------------------------------------|--|-----------|---------------------------------------|---------------------|-----------|
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Applicable Sites Requiring Plans | # of Plans Reviewed | Effective |
| Site Plan Review Procedures | Butler County Storm Water District | Review all sites required to obtain Ohio EPA Construction General Permit | Yes | 9 | 37 | Yes |

Summary of Results or Activities: Made plan comments to ensure that all sites 2 acres or more were in compliance with regulations.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Applicable Sites | # of Inspections Performed | Average Frequency | Effective |
|----------------------------|------------------------------------|--|-----------|-----------------------|----------------------------|-------------------|-----------|
| Site Inspection Procedures | Butler County Storm Water District | Inspect all sites that require post construction BMPs (ie. greater than 2 acres) | Yes | 9 | 0 | 1 | Yes |

Summary of Results or Activities: Inspected active sites for compliance with Erosion and Sediment Control Regulations.

Comments: Site inspections are performed monthly.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Violation Letters | # of Enforcement Actions | Effective |
|------------------------|------------------------------------|--|-----------|------------------------|--------------------------|-----------|
| Enforcement Procedures | Butler County Storm Water District | Ensure compliance with E&SC regulations. | Yes | 0 | 0 | Yes |

Summary of Results or Activities: Enforced compliance on all active sites.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Sites Requiring Plans/Agreements | # of Plans Developed/Agreements in Place | Effective |
|--------------------------------|------------------------------------|--|-----------|---------------------------------------|--|-----------|
| Long-Term O&M Plans/Agreements | Butler County Storm Water District | Ensure that facilities are either publicly owned and operated or a Home Owners Association or a Property Owners Association is established | Yes | 448 | 448 | Yes |

Summary of Results or Activities: The Butler County Engineers Office coordinates and plans inspections of all publicly owned and operated 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.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Measurement 1 | Measurement 2 | Effective |
|------------------|-------------------|-----------------|-----------|---------------|---------------|-----------|
| No records found | | | | | | |

No records found

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Summarize activities you plan to undertake for the next reporting cycle.

| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
|--------------------------------|------------------------------------|---|---|-------------------|
| Long-Term O&M Plans/Agreements | Butler County Storm Water District | Ensure that facilities are either publicly owned and operated or a Home Owners Association or a Property Owners Association is established. | The Butler County Engineers Office will continue to coordinate and plan inspections of all publicly owned and operated 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. | Annually |

Comments:

| | | | | |
|---|------------------------------------|--|---|----------|
| Site Plan Review Procedures | Butler County Storm Water District | Review all sites required to obtain Ohio EPA Construction General Permit | Make plan comments to ensure that all sites were in compliance with regulations. | Annually |
| Comments: | | | | |
| Site Inspection Procedures | Butler County Storm Water District | Inspect all sites that require post construction BMPs (ie. greater than 5 acres) | Inspect active sites for compliance with Erosion and Sediment Control Regulations. | Annually |
| Comments: | | | | |
| Ordinance or Other Regulatory Mechanism | Butler County Storm Water District | Comply with post-construction requirements for NPDES phase II permit. (ie. Provide for open space, minimization of impervious area, protection of natural resources, etc.) | All documents will be updated to include post construction requirements. Documents are reviewed as needed to ensure compliance. | Annually |
| Comments: | | | | |
| Post-Construction Requirements | Butler County Storm Water District | Comply with post-construction requirements for NPDES phase II permit. | All documents will be updated to include post construction requirements. Documents are reviewed as needed to ensure compliance. | Annually |
| Comments: | | | | |
| Enforcement Procedures | Butler County Storm Water District | Ensure compliance with E&SC regulations. | Enforce compliance on all active sites. | Annually |
| Comments: | | | | |

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Topic(s) | Targeted Audience | # of Employees Attended | Effective |
|-----------------------------|------------------------------------|---|-----------|---|---------------------|-------------------------|-----------|
| Employee Training Program 1 | Butler County Storm Water District | Document the number of staff who receive training each year, with a goal of training all employees at each municipal facility at least once during the permit term. | Yes | Varied by facility. Topics include: Universal Waste, Post Construction BMPs; Spill Identification and Emergency response; SPCC; Construction Site Runoff Control; Good Housekeeping Practices, SWPPP Safety | Municipal Employees | 40 | Yes |

Summary of Activity: Reviewed PPGHP and training videos.

| Comments: | | | | |
|-----------------------------|---|--|---|--------------------------|
| BMP (mechanism) | List of Municipal Facilities Subject to Program | O&M Procedures Developed? | # of Inspections Performed | Frequency of Inspections |
| Municipal Facilities | 1. Butler County Engineer's Office 2. Fairfield Township (Morris Road) 3. Hanover Township 4. Lemon Township 5. Liberty Township 6. Madison Township 7. Ross Township 8. St. Clair Township 9. Village of New Miami 10. Village of Seven Mile 11. Wayne Township 12. West Chester Township | Yes | 11 | Annually |
| BMP (mechanism) | Summarize Maintenance Activities and Schedules | Summarize Activities Performed | | |
| MS4 Maintenance | Maintenance activities are performed on an as-needed basis. | 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. | | |
| BMP (mechanism) | Procedures Developed? | Document Amounts of Wastes Properly Disposed | | |
| Disposal of Wastes | Yes | 1,700 gallons of automotive fluids recycled (i.e. Transmission fluid, gear oil, engine oil) Tires: 317 Batteries: 36 | | |
| BMP (mechanism) | Covered? | Tons Used | Summarize Measures Taken to Minimize Usage | |
| Road Salt | Yes | 10197 Tons | Salt usage minimized through the use of Standard Operating Procedures (SOPs) for snow and ice control. Further reductions are achieved with the use of the automated brine maker and distribution tanks for pretreatment. Also investigated and experimented with beet juice as salt alternative. | |
| BMP (mechanism) | Procedures Developed? | Gallons Used | Summarize Measures Taken to Minimize Usage | |
| Pesticide & Herbicide Usage | Yes | 15113 Gallons | Butler County Engineers Office has developed and implemented Standard Operating Procedures (SOPs) for pesticide and herbicide application. All employees that participate in pesticide and herbicide application are licensed by the Ohio Department of Agriculture. | |
| BMP (mechanism) | Procedures Developed? | Pounds Used | Summarize Measures Taken to Minimize Usage | |
| Fertilizer Usage | Yes | 1250 Pounds | Application rate set at 5.8 lbs. per 1000 sq. ft. | |
| BMP (mechanism) | Procedures Developed? | Document Amount of Material Collected and Properly Disposed | | |
| Street Sweeping | Yes | 147.9 tons of collected material reported. Street sweeping as needed for county bridges and curb & gutter roads. Procedure in place for dewatering and disposal of collected waste. | | |
| BMP (mechanism) | Summarize Any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality | | | |

| Flood Management Projects | n/a | | | |
|---|------------------------------------|---|--|-------------------|
| BMP (mechanism) | Summary | | | |
| No records found | | | | |
| POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS | | | | |
| <i>Summarize activities you plan to undertake for the next reporting cycle.</i> | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
| List of Facilities Subject to Program | Butler County Storm Water District | List all facilities subject to Program. | Review existing list of facilities subject to program and make changes as needed. | Annually |
| Comments: | | | | |
| MS4 Maintenance | Butler County Storm Water District | Inspect drainage structures within the District on an annual basis. | Coordinate and plan inspections of drainage structures within the District on an annual basis. Perform maintenance as necessary based upon inspection results. Issue report annually to the County commissioners on all inspection and maintenance activities. | Annually |
| Comments: | | | | |
| Disposal of Wastes | Butler County Storm Water District | Gallons of oil properly recycled/recovered | Recycle oil. | Annually |
| Comments: | | | | |
| Road Salt | Butler County Storm Water District | Minimize salt usage | Minimize salt usage through the use of Snow and Ice control SOPs, use of brine pretreatment system and investigate salt alternatives. | Annually |
| Comments: | | | | |
| Pesticide & Herbicide Usage | Butler County Storm Water District | Minimize pesticide and herbicide usage | Continue to implement implemented Standard Operating Procedures (SOPs) for pesticide and herbicide application. Ensure employees obtain and maintain licensed by the Ohio Department of Agriculture license. | Annually |
| Comments: | | | | |
| Street Sweeping | Butler County Storm Water District | Properly dispose of and Document Amount of Material Collected | Develop and implement a method to calculate and record the amount of material collected. | Annually |
| Comments: | | | | |
| Employee Training Program | Butler County Storm Water District | Document the number of staff who receive training each year, with a goal of training all employees at each municipal facility at least once during the permit term. | Continue to implement training component of facility PPGHP. | Annually |
| Comments: | | | | |
| PROPOSED CHANGES TO YOUR SWMP (IF ANY) | | | | |

Summarize any proposed changes to your SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements. If you fail to satisfy measurable goals for the reporting year, please explain why.

VARIANCES GRANTED (IF ANY)

Identify and summarize any variances granted under your storm water program.

ADDITIONAL INFORMATION

Please add any additional comments or attachments below.

Additional Information attachment(s): Attachment D - 2021 Annual Report -Bonus Activities.doc, Butler County SWMP 2022.docx