



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: 2017		Ohio EPA Facility Permit Number: 1GQ10002*CG	
Name of MS4: Clermont County & Others			
Mailing Address: 101 E Main St			
City: Batavia		State: OH	Zip Code: 45103
Country: USA		County: Clermont	
Primary Contact: John McManus		Title: Administrator	
Email Address: jmcmanus@clermontcountyohio.gov		Phone: (513) 732-7075	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: OrgChart.docx

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: John McManus	Title: Program Manager
Signature: Electronically submitted by mcmanus	Date: Electronically submitted on 03/30/2018

PUBLIC EDUCATION AND OUTREACH

Estimate Your Permit Area of Total Population: 144560

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Effective
Home Sewage Treatment Systems	Clermont County Public Health	Conduct 1 homeowner training session, distribute 3500 Septic Gazettes to homeowners before inspections; maintain educational web site	Proper installation of new or replacement HSTSS; Proper care and maintenance of existing HSTSS	HSTS installers and owners	100	Yes

Summary of Results: No installer training sessions were held in 2017, as five separate training sessions were held in 2015; Public Health hosted two training sessions on mound systems for homeowners. The first was held on January 18 and attended by 6 people, and the second was held on November 15 and was attended by 11 people. 6,594 Septic Gazettes were sent; 1 press release issued about grants available to help low income homeowners repair their septic systems - resulted in two successive articles in the Clermont Sun newspapers in April (3,052 subscribers to Thursday edition, 16,870 to Sunday Sun); Web site maintained at www.clermonthealthdistrict.org/BSA.aspx

Comments:

Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	Conduct 1 public workshop; 1 public presentation; maintain 6 public demonstration gardens; sell 25 rain barrels; 1 rain barrel art event, maintain rain garden web site	Rain garden and rain barrel education	Clermont County property owners	100	Yes
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Summary of Results: 1 public workshop conducted on August 30 - 25 attendees. 1 press release to promote event resulted in an article in the Clermont Sun newspapers (3,052 subscribers to Thursday edition, 16,870 to Sunday Sun) 1 rain garden presentations - OSU Extension Perennial School (April 13) - 98 attendees Public demonstration rain gardens maintained at Clermont County Fairgrounds, Pattison Park, Shor Park, Veterans Park (Union Twp) , Stagge-Marr Park (Goshen) and Shank Park bioretention (Amelia) Only 2 rain barrels sold - in 2017, Clermont SWCD had problems with storage and could not order a new supply of rain barrels. The storage issue has been resolved and SWCD will begin selling rain barrels again at its 2018 conservation plant sale Rain Barrel Art event - From 108 entries coming from 56 private artists and 52 schools, 50 rain barrel art designs were selected. The 50 painted barrels were displayed at the Cincinnati Zoo through the month of April and auctioned during the Party for the Planet on April 20. Attendance at the Zoo during the rain barrel art display was more than 100,000 visitors. The event received coverage from 4 local and national news outlets. The Rain Garden Central web site was maintained at www.clermontswcd.org/rain-gardens-barrels/. 204 Page Views

Comments: N/A

Lawn and Yard Care	Clermont SWCD, OSU Extension	1 billing notice, 1 educational video, 1 press release	Test your soil before fertilizing	Landowners in SW Ohio	100	Yes
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Summary of Results: An educational notice ran for approximately two months on Clermont County water & sewer bills encouraging people to test their soil before applying fertilizer. The notice informed customers that soil samples could be brought to OSU Extension for analysis. The billing notice reached approximately 43,000 customers (est. 107,500 people). Clermont SWCD, OSU Extension and the Public Information Office partnered to produce an educational video that teaches people how to collect a soil sample and where to bring it for analysis. The video can be viewed at <https://www.youtube.com/watch?v=5wwNnCsblk>. To date, the video has 93 views. A press release introducing the video was distributed on July 6 and posted on the Clermont County web site. Unfortunately, the press release did not result in any newspaper articles.

Comments:						
Storm Water Education Programs for Clermont K-12 School Children	Clermont SWCD	50 Storm Water Related Programs; develop 1 online PowerPoint presentation for K-12 teachers	Teach impacts of land use and storm water runoff on water quality and stream biota.	K-12 School Children	95	Yes
<p>Summary of Results: 177 total programs conducted reaching an estimated 3,540 school children. Programs and number of program presentations include: Enviroscape (11), Streamulator (1), Animal Tracks (26), Fred the Fish (14), Incredible Journey (24), Soil & Erosion (41), Stream Monitoring (60), Programs were conducted in each of the school districts serving the MS4 area except Tate Twp. Other programs were provided to a Girl Scout group, a group of naturalists in training at the Cincinnati Nature Center, the Friends of Stonelick, at Park District programs, the Spring Litter Cleanup and the Great Outdoor Weekend. The Streamulator presentations were given during Natural Resources Day at the Clermont County Fair. An estimated 150 people visited the Streamulator.</p> <p>The online PowerPoint presentation was not completed by the end of 2017. Clermont SWCD received a grant to construct an "augmented reality sandbox" which will be exceptionally effective in teaching students about storm water runoff, and most of SWCD's efforts were re-directed toward constructing the sandbox. Clermont SWCD will complete the PowerPoint presentation in 2018.</p>						
Comments: Descriptions of the individual programs can be found at www.clermontswcd.org/education-and-outreach/ .						
Pond / Retention Basin Management Clinic	Clermont SWCD	1 press release, 1 pond clinic, 32 attendees	Pond and retention basin maintenance	Pond / basin owners	46	Yes
<p>Summary of Results: 1 press release advertising the clinic was distributed on March 9; however, this did not lead to any articles published in local papers. Due to other publicity efforts, there was still a good turnout of 32 people, but considerably less than our goal of 70. The Pond Clinic reviewed the purpose and functions of retention ponds and provided information on inspections that should be conducted and how to troubleshoot problems. The Clinic also offered tips on aquatic weed control, fish stocking, aeration and goose control.</p>						
Comments: After hosting annual pond clinics for multiple years, we believe that interest may be dwindling. Clermont SWCD will host a pond clinic in 2018 with the goal of reaching 50 people. If attendance is low, we will look at readjusting the program for 2019.						
Stream Litter Cleanup	Clermont SWCD	2 press releases	Keep Clermont County stream banks litter free	Residents of Miami Township	100	Yes
<p>Summary of Results: Clermont SWCD issued four press releases for Spring Litter Cleanup activities. A March 14 release announced the winner of the t-shirt design contest, which resulted in an article in local Community Press papers (21,400 subscribers to four papers: Miami-Milford Advertiser, Community Journal North, Community Journal Clermont, Bethel Journal). An April 3 release talked about efforts to prepare for the upcoming cleanup and asked for volunteers. This also resulted in an article in Community Press papers. A June 7 release called for Ohio River Sweep volunteers at Clermont County location and resulted in an article in the Clermont Sun (3,052 subscribers to Thursday edition, 16,870 to Sunday Sun). A December 11 release announced the 2018 Spring Litter Cleanup t-shirt design contest. Unfortunately, no newspapers ran articles about the 2018 contest.</p>						
Comments:						
Newsletter Articles	Clermont SWCD, Clermont County Office of Public Information; Batavia Village, Miami Twp, Milford, Ohio Twp, Union Twp, Williamsburg V	Minimum 4 storm water-related articles per year in county newsletter; 1 per year for partners with newsletters	Present timely information on storm water-related news and events	Those living and doing business within Clermont County	100	Yes

Summary of Results: Clermont SWCD - 12 articles: Spring Litter Cleanup Call for Volunteers (Spring), Pond/Retention Basin Management Clinic / Handbook (Spring); Fertilizer Applicator Certification (Spring); Rain Barrel Art Auction (Spring); Rain Gardens (Spring) "Erosion Concerns? Try a Riparian Buffer" (Summer), Ohio River Sweep Call for Volunteers (Summer), Fertilizer Regulations (Fall), Forestry Management Open House (Fall); Erosion & Sediment Control Field Day (Fall), Spring Litter Cleanup T-Shirt Design Contest (Winter), Rain Barrel Art Call for Designs (Winter). 3966 printed newsletters, 1322 electronic editions, 161 web site views.

Clermont County - Rain Barrel Art and Park's "Wonderful Wetlands" program (Jan), Spring Litter Cleanup, Rain Barrel Art Auction (Apr), Ohio River Sweep, Algae Blooms (Jun), Living Land & Waters Ohio River Cleanup (Jul), Septic System Rehab Applications (Nov), Call for Rain Barrel Artists (Dec). Est 1100 per newsletter

Batavia Village - May newsletter included an article announcing that the Village was offering free tree seedlings to all residents. 600 newsletters distributed with water-sewer bill

Miami Township - Spring Litter Clean-up, proper yard waste disposal/voucher program, Clean-up Days announcement (Spring), Storm Ditch / Pipe maintenance (illicit discharge and general BMP info (Summer) - 14,700 newsletters + web site

Milford - April-May newsletter included an article asking residents to clean debris from drainage areas on private property. In the same newsletter, Milford announced a 50% rebate program for residents who plant 1.5-3 inch diameter tree. 2200 residents

Ohio Township - Illicit discharge article - proper disposal of household hazardous wastes. Reached est. 3000 residents

Union Township - Proper yard waste disposal/voucher program (Spring), importance of cleaning private storm drains (Fall), "Why Rock Salt is Harmful: (Winter) - 500 printed + web site

Williamsburg Village - leaf disposal and composting information (Fall) - 1,050 newsletters printed per edition

Comments:

Nutrient Runoff / Harmful Algal Blooms	Clermont SWCD	1 presentation, 1 news article	Nutrient runoff and harmful algal blooms	SWCD professionals; general public	100	Yes
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Summary of Results: The SWCD Administrator gave a presentation on Clermont County's efforts to combat harmful algal blooms in East Fork lake at the OFSWCD "Summer Supervisor School" on July 17. The presentation covered the history of HABs at the lake, data trends, monitoring and modeling results, and nutrient reduction efforts. 11 people attended the presentation.

The Clermont Sun published an article titled "Now That Summer is Here, Beware of Green Water" on June 25 (3,052 subscribers to Thursday edition, 16,870 to Sunday Sun).

Comments:

Storm Water Web Site Education Materials	Clermont SWCD	Maintain information on current news/events, BMP and pollution prevention fact sheets, educational materials, regulations & more	Storm water educational materials for a variety of topics at www.clermontswcd.org and www.oeq.net	Those living and doing business in Clermont County	100	Yes
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Summary of Results: www.oeq.net: 1Q - 2730 users, 7090 page views; 2Q - 4206 users, 10,452 page views; 3Q - 3091 users, 7456 page views; 4Q - 2496 users, 6634 page views; 2016 totals - 12,266 users, 31,632 page views
www.clermontswcd.org: 1Q - 1327 users, 3893 page views; 2Q - 1358 users, 3968 page views; 3Q - 1027 users, 2765 page views, 4Q - 949 users, 2240 page views; 2016 totals - 4471 users; 12,866 page views

Comments: In 2017, www.clermontstorm.net was successfully incorporated into www.clermontswcd.org. The www.clermontstorm.net web site is no longer maintained.

General Storm Water Education - Presentations	Clermont SWCD, Clermont Park District	1 presentation on general storm water topics	Watershed components, functions, causes and sources of pollution, management practices, aquatic life sampling	General public	100	Yes
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<p>Summary of Results: Clermont SWCD staff and the Clermont Park District's chief naturalist gave two presentation to groups of people going through the Volunteer Naturalist Training program run by the Cincinnati Nature Center. A total of 24 people attended the first presentation on September 16, and 30 people attended October 2 presentation. Topics included components of a watershed, functions, causes and sources of pollution, management practices, and aquatic life sampling.</p>						
<p>Comments:</p>						
Erosion & Sediment Control Field Day	Regional Storm Water Collaborative, Clermont SWCD	1 Erosion and Sediment Control Field Day	Erosion and sediment control BMPs	Development community, local government inspectors	100	Yes
<p>Summary of Results: The Regional Storm Water Collaborative (including Clermont SWCD) worked work with the ODA Division of Soil & Water Conservation to host an Erosion & Sediment Control Field day for members of the development community and erosion and sediment control inspectors in SW Ohio. The Field Day was held on September 28 and was a big success. A total of 160 attendees got to view demonstrations of eight different BMPs in a field setting, heard a presentation from Ohio EPA on potential updates to the Construction General Permit, and heard a panel discussion on industry trends.</p>						
<p>Comments:</p>						
Post Construction BMPs for Public Transportation Projects	Regional Storm Water Collaborative, Clermont SWCD	Conduct one workshop on post construction BMPs for public transportation projects	Post Construction BMPs for Public Transportation Projects	Local government public works officials, design engineers	100	Yes
<p>Summary of Results: Clermont SWCD worked with the Regional Storm Water Collaborative to organize and host a workshop titled "Post-Construction Stormwater BMP Selection & Design for Public Transportation Projects. The primary speaker was Jon Prier, an Environmental Hydraulic Engineer for ODOT. A total of 77 people attended the workshop.</p>						
<p>Comments:</p>						
General Storm Water Education - Advertising	Regional Storm Water Collaborative	One TV advertising campaign for Save Local Waters	Rain gardens and rain barrels	Residents of Greater Cincinnati	100	Yes
<p>Summary of Results: The Regional Storm Water Collaborative produced 2 videos that were also used as advertising spots. The videos were entitled "Slow It Down & Soak It In with Rain Barrels" and "Slow It Down & Soak It In with Rain Gardens." The videos encouraged the use of the viewers to install these BMPs to reduce runoff and erosion. The videos received 913 views and were watched for 1637 minutes on the Collaborative's YouTube channel. The Collaborative also purchased 93 TV ad spots with WLWT that had a total reach of 868,900 with 2,759,000 impressions. Clermont County makes up approximately 10% of WLWT's viewership, so these numbers would translate to 86,890 views with 275,900 impressions in Clermont County.</p>						
<p>Comments:</p>						
Water Quality	Clermont SWCD, Clermont Park District	Water quality monitoring, 2 educational canoe floats	Water quality monitoring, macroinvertebrates as a water quality indicator	Children, Clermont County residents	100	Yes
<p>Summary of Results: Clermont County Park District naturalists do water quality tests and look for macroinvertebrates with children at multiple events such as Wonderful Wetlands and River Camp through the year. Causes and sources of pollution are also discussed. An estimated 125 children participated in these events.</p>						
<p>Great Outdoor Weekend - Clermont SWCD, OEQ and Park District hosted two educational canoe floats on September 23. The SWCD educational specialist talked to participants about how macroinvertebrates are good indicators of water quality. 53 people participated.</p>						
<p>Comments:</p>						
General Storm Water Education - Social Media	Clermont SWCD, Regional Storm Water Collaborative	Minimum of 4 postings per year	Various Messages / Multiple Themes	Those who live or work in Clermont County	41	Yes
<p>Summary of Results: Clermont SWCD had 27 Facebook posts and 52 Twitter tweets related to storm water management; topics included news on volunteer litter cleanups, rain garden and basin management workshops, forestry management, buffer strips, soil sampling and testing, fertilizer and pesticide training, salt usage and more. Facebook posts had a total reach of 30,114 and 1,541 engaged users. Twitter had 57 likes, 30 re-tweets, total engagement of 430 and 29,695 impressions. Facebook page likes increased by 127 to a total of 499. Twitter followers increased by 52 to a total of 414.</p>						
<p>The Regional Storm Water Collaborative's Facebook page (SaveLocalWaters) has 1,336 likes, 69,016 users and 105,369 impressions. The SaveLocalWaters Twitter account had 301 followers, 570 tweets and 8,400 impressions.</p>						

Comments:						
Detention Basin Maintenance	Clermont SWCD	Revise and publish detention basin maintenance manual; distribute to private owners/HOAs and post online	Detention basin maintenance	Private owners/operators of detention basins	100	Yes

Summary of Results: Before 2017, Clermont SWCD had a simple, 2-page management guide for detention basins that it made available to owners/operators of private detention basins. In 2017, SWCD completed the development of a detailed, 8-page, full color maintenance manual. A total of 250 copies were direct mailed to private owners. The manual is also available online at www.clermontswcd.org/guidebook-available-on-detention-basins/

Comments: A second printing will be completed in 2018, and copies will be distributed at the annual pond clinic.

Riparian Buffers	Clermont SWCD	1 presentation to local government zoning officials and/or development community	Benefits of riparian buffers / setback regulations	Zoning officials, development community	0	No
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Summary of Results: Clermont SWCD had scheduled to provide a presentation on the importance of riparian buffers and stream setbacks to the Ohio Valley Development Council (OVDC) in the 4th quarter of 2017. At OVDC's request, the presentation was delayed until February 2018. A similar presentation to the Clermont County Township Association was scheduled for late 2017 and pushed back to January 2018.

Comments: While this goal was not reached in 2017, both presentations have been given and will be detailed in the 2018 MS4 Annual Report.

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
Storm Water Education Programs for Clermont K-12 School Children	Clermont SWCD	50 Storm Water Related Programs, 1 online PowerPoint presentation	Teach impacts of land use and storm water runoff on water quality and stream biota.	K-12 School Children	100	Jan-May and Sept-Dec 2018; development of online presentation in Summer 2018.

Summary of Planned Activities: Programs include EnviroScape, Streamulator, A Grave Mistake, Animal Tracks, Branching Out/Topography, Fred the Fish, Incredible Journey, Soil & Erosion, Stream Monitoring, and Web of Life/Links in a Chain. Presentations will be provided in all school districts in the urbanized area.

The Clermont SWCD Education Specialist will also develop one PowerPoint/Smart Board presentation which will be made available for educators on Clermont SWCD's web site

Comments: N/A

Water Quality	Clermont SWCD, Park District	1 educational canoe float	Water quality monitoring, macroinvertebrates as a water quality indicator	Clermont County residents	100	Late September 2018
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Summary of Planned Activities: One educational canoe float on the East Fork Little Miami River will be held during the Great Outdoor Weekend

Comments: N/A

Home Sewage Treatment Systems	Clermont County Public Health	Distribute 3500 Septic Gazettes to homeowners before inspections; maintain educational web site	Proper care and maintenance of existing HSTs	HSTS owners	100	Septic Gazettes distributed year-round
Summary of Planned Activities: Distribute 3500 Septic Gazettes to homeowners before inspections; maintain educational web site						
Comments: N/A						
Riparian Buffers	Clermont SWCD	2 presentations - 1 to local government officials and 1 to Ohio Valley Development Council	Benefits of riparian buffers / setback regulations	Zoning officials, development community	100	1st Quarter 2018
Summary of Planned Activities: The Clermont SWCD Administrator will give 1 presentation to the Township Association in January 2018 and 1 to members of the Ohio Valley Development Council in February 2018						
Comments: These presentations will take the place of the Balanced Growth presentation listed in Clermont County's SWMP, as the State of Ohio no longer supports the Balanced Growth program.						

Streambank Protection/Stabilization Guide	Clermont SWCD	Develop 1 streambank protection/stabilization guide for private property owners	Streambank erosion/stabilization	Clermont County riparian landowners	100	Clermont SWCD will develop 1 streambank protection/stabilization guide for private property owners. The guide will be made available on SWCD's website, through the individual Clermont County MS4 permit partners, and distributed to landowners during field visits by SWCD staff
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Summary of Planned Activities: Develop 1 streambank protection/stabilization guide for private property owners

Comments: N/A

Proper Disposal of Household Hazardous Waste	Clermont SWCD, Regional Storm Water Collaborative	1 Regional web site, 1 TV advertising campaign	Minimize Use and Proper Disposal of Household Hazardous Waste / Prevention of Illicit Discharges/Dumping	Greater Cincinnati residents	100	Web site in 2nd quarter 2018, advertising in 3rd quarter 2018
Summary of Planned Activities: The Regional Storm Water Collaborative will develop a web site that will provide information on alternatives to hazardous household products, and locations where these items can be disposed of for each county, including Clermont. The Collaborative will also conduct a TV advertising campaign in conjunction with the development of the web site						
Comments: N/A						
Erosion and Sediment Control Field Day	Regional Storm Water Collaborative	1 Erosion and Sediment Control Field Day	Erosion and sediment control BMPs	Development community, local government inspectors	100	September 2018
Summary of Planned Activities: The Regional Storm Water Collaborative (including Clermont SWCD) will work with the ODA Division of Soil & Water Conservation to host a 2nd Erosion & Sediment Control Field day for members of the development community and erosion and sediment control inspectors in SW Ohio						
Comments: N/A						
General Storm Water Education	Clermont SWCD, Clermont OEQ	Publish minimum of 4 newsletter articles, 4 social media posts, 1 educational message on utility bills, maintenance of web sites	Various Messages / Multiple Themes	Those who live or work in Clermont County	100	Activities will be conducted year-round
Summary of Planned Activities: Clermont SWCD will publish a minimum of 4 newsletter articles and post a minimum of 4 storm water related messages on its social media sites, and include 1 educational message on Clermont County water and sewer utility bills. Both SWCD and OEQ will maintain storm water-related pages on their respective web sites.						
Comments: N/A						

Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	Conduct 1 public workshop; develop 1 video, maintain 7 public demonstration gardens; sell 25 rain barrels; 1 rain barrel art event, maintain rain garden web site	Rain garden and rain barrel education	Clermont County property owners	100	April - Rain Barrel Art Project June - Rain garden workshop and video Year-round - maintenance of demonstration rain gardens, rain barrel sales (beginning in April), maintenance of web site
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Summary of Planned Activities: Conduct 1 public workshop for landscape professionals, and develop one rain garden video through the Regional Storm Water Collaborative; maintain 7 public demonstration gardens at the County Fairgrounds (SWCD); Pattison, Shor and Sycamore Parks (Clermont Park District), Shank Park (Amelia), Stagge-Marr Park (Goshen), and Veterans Park (Union Twp), sell 25 rain barrels; 5th annual rain barrel art event with Regional Storm Water Collaborative, maintain rain garden web site at <http://www.clermontswcd.org/rain-gardens-barrels/>

Comments: N/A

Pond / Retention Basin Management Clinic	Clermont SWCD	Conduct 1 pond / basin management clinic	Pond and retention basin maintenance	Pond / basin owners	100	April 10, 2018
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Summary of Planned Activities: The Pond Clinic reviews the purpose and functions of retention ponds and provides information on inspections that should be conducted and how to troubleshoot problems. The Clinic also offers tips on aquatic weed control, fish stocking, aeration and goose control. Goal of 50 attendees.

Comments: N/A

Retention Basin Maintenance	Clermont SWCD	Develop new retention basin maintenance manual for private owners	Retention basin maintenance	Private owners/operators of retention basins	100	Complete by end of 2018
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Summary of Planned Activities: Revise and publish retention basin maintenance manual; distribute to private owners/HOAs and post online

Comments: N/A

PUBLIC INVOLVEMENT AND PARTICIPATION

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate Of People Participated	Effective
Clermont County WMSC Regulations Revision	Clermont County Building Inspection Department, Clermont SWCD	Hold at least 1 public stakeholders committee meeting to review updates to WMSC regulations	Review and revision of construction/post-construction storm water regulations	Clermont County residents, development community	10	Yes
Summary of Results: One additional public committee meeting was held on July 28 which was attended by 10 people. Comments received were taken into account when completing the final draft of the revisions to the WMSC regulations. Public hearings were held on November 8 and November 15. One person spoke in favor of the changes on November 8. No other comments were received. The Board of County Commissioners passed a resolution adopting the revised WMSC regulations on November 29.						
Comments:						
Spring Litter Cleanup	Clermont SWCD	Annual volunteer river bank and parks clean-up in April	Litter prevention, reduction of solids and floatables in local waterways; general awareness of East Fork as a natural resource	Residents and those doing business within Clermont County	510	Yes
Summary of Results: A total of 510 volunteers donated over 1440 hours and collected approximately 4 tons of trash from 15 sites, including 10 miles of riverbank and lake shoreline in Clermont County.						
Comments:						
Saturday Stream Snapshot (SSS) Volunteer Monitoring Program	Clermont SWCD, Greenacres Foundation	Monthly volunteer stream sampling for bacteria and nutrients from 29 stream and lake locations in Clermont County	Volunteer stream monitoring	Residents interested in learning about stream quality and sampling	34	Yes
Summary of Results: In 2017, volunteers sampled at 30 locations in Clermont County on the main stem of the Little Miami River, Little Miami River Tributaries, the East Fork, and two small lakes - Powel Crosley at the Cincinnati Nature Center and Woodcreek Lake in Woodcreek Subdivision. 187 samples were processed for 12 parameters. A total of 48 different volunteers contributed to the 2017 Clermont County Data, including 14 actual residents of Clermont County who participated in the program as water monitors (10), lab analysts (6), runners (2), program photographer/GPS coordinates (1), and the SSS data-sharing brunch (6). It's estimated that volunteers contributed 427 hours performing all of the functions of the SSS Program on Clermont County sites in 2017. The entire SSS 2017 dataset is available at www.saturdaystreamsnapshot.org .						
Comments:						
Living Lands & Waters Ohio River Cleanup	Clermont SWCD	1 day cleanup of litter and debris along the banks of the Ohio River	Litter prevention, reduction of solids and floatables	Residents and those doing business within Clermont County	11	Yes
Summary of Results: Clermont SWCD supervisors and staff joined Living Lands and Waters and other volunteers to clean a section of the Ohio River on August 10. In total, 3,373.5 lbs. of garbage were collected from the river banks.						
Comments:						
Ohio River Sweep	Clermont OEQ, Clermont County Park District	Annual clean-up of Ohio River shores on the 3rd Saturday in June	Litter prevention, reduction of solids and floatables, general awareness of Ohio River as a natural resource	Residents and those doing business within Clermont County	237	Yes
Summary of Results: There were 10 cleanup sites along the Clermont County stretch of the Ohio River, including Chilo, Moscow, Neville, New Richmond and multiple campground sites. A total of 237 volunteers collected approximately 623 bags of trash and larger miscellaneous items, including 60 tires, outdoor furniture, styrofoam coolers, 1 propane tank and 1 car bumper.						
Comments:						
Storm Drain Labeling	City of Milford, Clermont SWCD	Label 100 storm drains	Discourage illegal dumping of materials into storm sewer	Milford residents	2	Yes
Summary of Results: Approximately 60 storm drains were labelled along sections of Lila Avenue and Main Street, and in the Stone Ridge, Tree Ridge and McCormick subdivisions.						
Comments:						

East Fork Watershed Cooperative	Clermont OEQ, Clermont SWCD	Quarterly meetings to development and implementation of yearly stream monitoring and sampling program	Water quality monitoring and sampling, illicit discharge detection, source water protection, harmful algal blooms, bioretention, TMDL development	Clermont Co Water Resources Dept, Clermont and Brown SWCDs, USEPA-ORD, US ACE, UDSA-NRCS, USGS, Ohio EPA, Univ. of Cincinnati	30	Yes
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Summary of Results: Four meetings were held in 2017 (Mar 2, May 23, Aug 24 and Nov 30). In between meetings, EFWCoop members stay in close contact via calls, emails and one-on-one meetings. EFWCoop meetings focused on coordinating sampling efforts in the EFLMR watershed and exploring causes/sources of HABs in Harsha Lake. At the May 23 meeting, findings to date were presented to federal, state and local elected officials or their representatives. The EFWCoop continues to exploring the feasibility of a watershed trading program in the upper East Fork watershed using unconventional trading partners, and green infrastructure research in the lower EFLMR watershed, among other projects.

Comments:

Rain Barrel Art Event	Regional Storm Water Collaborative	Once annually, offer 50 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo	Promote the use of rain barrels throughout the Ohio River Valley through a creative and educational medium	Greater Cincinnati artists of all levels	145	Yes
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Summary of Results: 108 artists submitted rain barrel art entries, from which 50 were selected and awarded rain barrels to complete their design. Results from the display/auction at the Cincinnati Zoo are presented under the Public Education section of this report.

Comments:

Pierce Township Greenspace Committee	Pierce Township	Monthly meetings of Green Space Committee	Preserve land via acquisition, conservation easements, conservation development, covenants or other methods that has ecological significance, natural corridor potential, aesthetic or scenic value, or inherent traits that contribute to the positive character of the Township.	Pierce Township landowners	24	Yes
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Summary of Results: Monthly meetings were held in 2017 except in July. Currently, 165 acres are preserved as township green space. No additional acquisitions were made. The committee is still exploring the creation on a 501c3 organization. Approximately 20 volunteers helped remove invasives on greenspace property.

Comments:

Antifreeze and Motor Oil Recycling Program	Clermont County Fleet Maintenance	Availability of year round disposal and recycling opportunities for automotive fluids	Proper disposal of automotive fluids, prevention of illicit discharges/illegal dumping	Clermont County residents	71	Yes
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Summary of Results: Fleet maintenance collected 180 gallons of used motor oil from 73 residents, 99 gallons of antifreeze from 36 residents and 55 gallons of used cooking oil from 26 residents.

Comments:

Middle East Fork Balanced Growth Committee	Clermont SWCD	Hold annual meeting of Middle East Fork Balanced Growth Committee	Promote conservation development and sustainable growth in the Middle East Fork Little Miami River watershed	Municipal and township officials in Middle East Fork, development community	0	No
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Summary of Results: As the State of Ohio has stopped supporting the Balanced Growth program, Clermont County will no longer hold meetings of this committee. Instead, it will seek to promote balanced growth / conservation development principles directly to local zoning officials and members of the development community.

Comments:

Cardinal Land Conservancy Land Committee	Clermont SWCD	Attend monthly meetings of Land Committee	Preserve land that has ecological significance via acquisition, conservation easements or other methods	Clermont County landowners	10	Yes
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Summary of Results: The Clermont County Park District director and SWCD administrator serve on the Conservancy's Land Committee which meets monthly. In 2017, Cardinal acquired and additional 1,185 acres in conservation easements, though none were in Clermont County. In total, Cardinal holds easements on 31 properties totaling 4,344 acres, including 202 acres in Clermont County, and owns five preserves totaling 19 acres.

Comments:						
Municipal/Township Clean-up Days	Amelia, Batavia Twp/Village, Miami Twp, Goshen Twp, Pierce Twp, Stonelick Twp./Owensville, Union Twp, Tate Twp, Williamsburg Twp	Offer residents no-cost opportunity to properly dispose of hard-to-get-rid-of items on an annual basis	Prevention of illegal dumping/illicit discharges	Residents of participating municipalities and townships	7000	Yes

Summary of Results: Amelia - Hosted a clean-up day in early June. Rather than having a single collection point, the village conducts a curbside pickup of unwanted, hard-to-dispose-of items. 36.9 tons of waste collected; number of participants is not available.

Batavia Twp/Village - Est. 275 people participated on June 2-3. Collected materials that filled 4 rear-load garbage trucks, 3 30-yard roll-off dumpsters and 2 30-yard scrap metal dumpsters. Also collected 7 freon units and 9 tires.
 Goshen Twp - On June 4, Goshen Twp collected materials from an estimated 400 people that filled 7 30-yard dumpsters and 4 garbage trucks.
 Miami Township - April 22 & 23 (1,250 vehicles) and September 23 & 24 (1,324 vehicles). A total of 2,574 vehicles checked in for this event. 297.20 tons of trash (213.61 tons rear loaders & 83.59 tons 30 yd. containers), 1,014 lbs. lead batteries, 14,560 lbs. white goods, and 18,760 lbs. steel.
 Pierce Township - Rather than host its usual cleanup days, the township experimented with placing a 30-cubic yard dumpster at the township administration building through the summer. The dumpster was heavily used and emptied on a weekly basis. It does appear that people outside the township are using it, so adjustments to the program may be made in 2018.
 Stonelick Twp/Owensville - Held on May 5-6, Stonelick Twp collected enough waste to fill 8 30-cubic yard roll-off dumpsters and 2 rear-load trucks. In addition, they collected 10 tons of steel which was sent to Roundbottom Recycling, 420 gallons of motor oil, 10 batteries and 42.07 tons of tires. 319 people participated.
 Union Township - Junk days were held in the Spring on April 24-29, and in the Fall on October 19-21. Est. 2,200 vehicles total. Totals on items collected are as follows: 43 refrigerators, with 21 garbage trucks, and 28- 30 yard dumpsters filled with furniture, clothes, bicycles, electronic equipment, and lawn equipment.
 Tate Twp - Cleanup Days held on April 21-22. Collected 112 tons of waste, filling eight 30-cubic yard roll-off dumpsters and five compactor trucks. Number of participants unknown.
 Williamsburg Twp - Hosted junk days on June 8-10 and collected enough waste to fill 13 30-cubic yard droll-off dumpsters. Approximately 300 people participated.

Comments:						
Milford Storm Water and Hazard Mitigation Committee	City of Milford	Minimum one meeting annually	Provides opportunity to residents to give feedback on City's storm water and hazard mitigation programs	Milford residents	0	No

Summary of Results: Milford is still getting back on track after hiring a new city manager, assistant city manager and city engineer, and was not able to host a meeting of the storm water and hazard mitigation committee in 2016. The committee will reconvene in 2018.

Comments:						
Household Hazardous Waste Voucher Program	Clermont OEQ	Availability of year round disposal and recycling opportunities for household hazardous wastes	Proper disposal of hazardous waste materials, prevention of illicit discharges/illegal dumping	Clermont County residents	53	Yes

Summary of Results: Est. 2 lbs. of mercury collected by OEQ from 4 people and given to Environmental Enterprises for proper disposal; 49 vouchers for disposal of various household hazardous waste items at Environmental Enterprises in Cincinnati.

Comments:

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
Household Hazardous Waste Voucher Program	Clermont OEQ	Availability of year round disposal and recycling opportunities for household hazardous wastes	Proper disposal of hazardous waste materials, prevention of illicit discharges/illegal dumping	Clermont County residents	60	Year round

Summary of Planned Activities: Clermont OEQ will offer vouchers to Clermont County residents that will allow them to properly dispose of certain household hazardous wastes at Environmental Enterprises in Cincinnati

Comments:

East Fork Watershed Cooperative meetings	Clermont OEQ, Clermont SWCD	Quarterly meetings; development and implementation of yearly stream monitoring and sampling program	Water quality monitoring and sampling, illicit discharge detection, source water protection, harmful algal blooms, bioretention, TMDL development	Clermont Co Water Resources Dept, Clermont and Brown SWCDs, USEPA-ORD, US ACE, UDSA-NRCS, USGS, Ohio EPA, Univ. of Cincinnati	25	Quarterly meetings. Monitoring and modeling work year round.
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Summary of Planned Activities: Approximately 4 meetings of the Cooperative, year round implementation of monitoring and modeling efforts. Extent of 2018 monitoring program may be affected by severe cuts in US EPA and Corps of Engineers budgets.

Comments:

Volunteer Stream Monitoring	Clermont SWCD, Greenacres Foundation	Monthly volunteer stream sampling for bacteria and nutrients from 25 stream and lake locations in Clermont County	Volunteer stream monitoring	Residents interested in learning about stream quality and sampling	30	March through November 2018
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Summary of Planned Activities: Clermont SWCD will again contract with Greenacres to manage the Saturday Stream Snapshot volunteer monitoring program, and provide technical assistance upon request. Volunteers will conduct monthly monitoring at 25 or more sites in the Little Miami River basin.

Comments:

Rain Barrel Art Event	Regional Storm Water Collaborative	Once annually, offer 40 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo	Promote the use of rain barrels throughout the Ohio River Valley through a creative and educational medium	Greater Cincinnati artists of all levels	125	January through April 2018
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Summary of Planned Activities: Area artists of all ages and skill levels will be invited to submit designs for the 6th Annual Rain Barrel Art Contest. The artists with the 40 best designs will be provided a rain barrel on which to create their design. The barrels will be displayed at the Cincinnati Zoo through the month of April and auctioned at the Zoo's Party for the Planet toward the end of the month

Comments:

Cardinal Land Conservancy Land Committee	Clermont SWCD, Clermont Park District	Attend monthly meetings of Land Committee	Preserve land that has ecological significance via acquisition, conservation easements or other methods	Clermont County landowners	10	Monthly through 2018
Summary of Planned Activities: The Clermont SWCD administrator and/or the Clermont Park District director will attend monthly meetings of the Cardinal Land Conservancy's Land Committee to explore prospects for future conservation easements/preservation.						
Comments:						
Pierce Township Greenspace Committee	Pierce Township	Monthly meetings of Green Space Committee	Preserve land via acquisition, conservation easements, conservation development, covenants or other methods that has ecological significance, natural corridor potential, aesthetic or scenic value, or inherent traits that contribute to the positive character of the Township.	Pierce Township landowners	25	Monthly
Summary of Planned Activities: Monthly meetings of Green Space Committee. Anticipate obtaining at least one parcel of land in 2018						
Comments:						
Antifreeze and Motor Oil Recycling Program	Clermont County Fleet Maintenance	Availability of year round disposal and recycling opportunities for automotive fluids	Proper disposal of automotive fluids, prevention of illicit discharges/illegal dumping	Clermont County residents	50	Year round
Summary of Planned Activities: Clermont County Fleet Maintenance will continue to accept used motor oil, antifreeze, other automotive fluids and used cooking oil from Clermont County residents. Antifreeze will be recycled and oil collected will be used in the oil burning furnace to heat the fleet garage.						
Comments:						
Municipal/Township Clean-up Days	Amelia, Batavia Twp/Village, Goshen Twp, Miami Twp, Pierce Twp, Stonelick Twp./Owensville, Union Twp, Tate Township, Williamsburg Twp	Offer residents no-cost opportunity to properly dispose of hard-to-get-rid-of items on an annual basis	Prevention of illegal dumping/illicit discharges	Residents of participating municipalities and townships	7000	Schedules vary by community, but generally range from May through September.
Summary of Planned Activities: Several townships and villages will host Junk Days or Cleanup Days for their residents, which offers them a no cost opportunity to properly dispose of hard-to-get-rid-of items. These collection days help to reduce illegal dumping and illicit discharges.						
Comments:						
Milford Storm Water and Hazard Mitigation Committee	Milford	1 meeting of Storm Water and Hazard Mitigation Committee	Provides opportunity to residents to give feedback on City's storm water and hazard mitigation programs	Milford residents	10	4th Quarter 2018
Summary of Planned Activities: 1 meeting of Storm Water and Hazard Mitigation Committee						

Comments:						
Volunteer Litter Cleanups	Clermont SWCD, Clermont OEQ, Park District, MS4 Townships and Municipalities	1 Spring Litter Cleanup, 1 Ohio River Sweep	Litter prevention, reduction of solids and floatables, general awareness of Ohio River as a natural resource	Residents and those doing business within Clermont County	1000	Spring Litter Cleanup - April 21, 2018 Ohio River Sweep - June 16, 2018

Summary of Planned Activities: The annual Spring Litter Cleanup will include shoreline cleanup sites on East Fork Lake, Stonelick Lake and the East Fork Little Miami River, as well as cleanup sites at parks and other public grounds in multiple townships and municipalities. The Ohio River Sweep will include multiple cleanup sites along the banks of the Ohio in Clermont County.

Comments:						
Storm Drain Labeling	Clermont SWCD	Label 100 storm drains	Discourage illegal dumping of materials into storm sewer	Those living and working in Clermont County	5	Summer-Fall 2018

Summary of Planned Activities: Clermont SWCD will work with its MS4 partners to identify locations to place at least 100 storm drain labels

Comments:						
Living Lands and Waters Ohio River Cleanup	Clermont SWCD	At least one cleanup event along Ohio River shoreline	Litter prevention, reduction of solids and floatables	Residents and those doing business within Clermont County	10	Late Summer 2018

Summary of Planned Activities: As of March 2018, Living Lands & Waters was planning to conduct additional cleanups on the Ohio River in Clermont County. If the cleanups are held as planned, Clermont SWCD will again promote the cleanups and commit staff and supervisors to participate.

Comments:

ILLICIT 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	Clermont SWCD	Enforce illicit discharge regulations	Yes	Section 8 of Clermont County Water Management & Sediment Control Regulations, http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/	Yes

Summary of Results or Activities: Rules and Regulations Regarding Illicit Discharges and Illegal Connections to the Separate Storm Sewer System, established as Article 8.0 of the WMSC regulations. Public hearings were held on draft revisions to the regulations November 8 and November 15. One person spoke in favor of the changes on November 8. No other comments were received. The Board of County Commissioners passed a resolution adopting the revised regulations on November 29.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
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Storm Sewer System Map	Clermont SWCD	Develop and maintain comprehensive map of storm water conveyance system serving Clermont County	Yes	In 2013, Clermont County completed its inventory of the storm sewer conveyance systems and outfalls in watersheds that empty the urbanized area in Clermont County. Mapping efforts are now being extended to other parts of the county. A GIS geodatabase has been completed that includes location information for storm sewers, ditch lines, catch basins, manholes, inlets, outlets and BMPs, as well as attribute information for each structure map (such as size, material and condition). In all, 29,530 segments of pipe (479.7 miles) have been mapped, along with 21,172 catch basins, 6,684 inlets, 4,566 outfalls (1,044 public outfalls, 3,522 private), 4,752 culverts, 4,629 manholes, and 729 BMPs. Data and metadata for the Clermont County Storm Water Inventory, water bodies, and watersheds can be downloaded at http://www.clermontswcd.org/storm-sewer-inventory-data-and-metadata/	Yes
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Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
HSTS Mapping and List	Clermont County Public Health	Develop inventory, including location and parcel ID, for discharging and non-discharging HSTSs in Clermont County	Yes	Clermont County Public Health tracks both discharging and non-discharging septic systems through its Basic System Assessment (BSA) database. Maps showing locations of both discharging and non-discharging systems have been developed for the various watersheds within the Phase II urbanized area, and were first provided in Appendix 3 of the 2005 Annual Report. A total of 21,741 HSTSs have been identified throughout Clermont County. Clermont Public Health offers an online search tool to allow users to research data from Septic System Operation Permit and Loan Inspection results - http://clermonthealthdistrict.org/recordsearch.aspx	Yes

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
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IDDE Plan	Clermont SWCD, Clermont County Public Health, County Engineer's Office, Townships & Municipalities	Develop and institute an illicit discharge detection and elimination plan.	Yes	Clermont SWCD works with the MS4 co-permittees to conduct dry weather screening of all public outfalls (i.e., those outfalls within the public road right-of-way or on publicly owned property) at least once during the permit cycle. Each MS4 co-permittee is responsible for screening the outfalls along the roads which they maintain or on properties owned by them. Clermont SWCD has developed a 'hot list' of both public and private outfalls that have been determined to have a high potential for illicit discharges. Clermont SWCD and OEQ staff will screen each of these outfalls during dry weather at least once a year. Clermont County Public Health is responsible for addressing problems with discharging HSTs. They inspect HSTs with electrical components once every 19 months and those without once every 38 months. In general, a time limit of 30 days is given to correct any violations found; however, Public Health will accommodate various time frames given the seriousness of the nuisance or violation, the level of cooperation of the homeowner, the time of year, or the cost of the repair. This is done on a case-by-case basis. For homeowners who lack the ability to pay for a complete system replacement, Public Health has developed the Sewage Nuisance Abatement and Remediation Plan which allows homeowners to make gradual improvements to their systems.	Yes
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Comments:

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	Clermont SWCD, Clermont County Public Health, County Engineer's Office, Townships & Municipalities	Screen approximately 20% of the public outfalls annually, with all outfalls screened at least once during permit cycle.	No	999	67	1	10	6	Yes

Comments: True number of public outfalls is 1,044. A maximum of three digits can only be entered for the Total Number of Outfalls on the form above.

10/27/16: Clermont SWCD responded to a complaint of white/sudsy material in a ditch on Banks Rd. Public Health followed up and found a straight pipe from a laundry tub at 3889 Banks and instructed the owner to eliminate this. The problem was corrected and the complaint was closed in May 10, 2017.

1/1/17: Clermont SWCD received an email complaint about oil in Town Run coming from Wichard Oil. A wet weather inspection was conducted to identify signs of runoff. None were found. The complaint was deemed not valid. Incident closed.

5/18/17: Clermont SWCD noted concrete washout in a curb leading to a catch basin on Ridgewood Ct. Upon inspection, the Sardinia Concrete crew was not on site. The office was called and they sent a crew to clean the washout (not hardened yet). This was the 2nd violation involving Sardinia, An NOV was sent, requiring employee P2 training. Sardinia completed the training and sent documentation on 7/20. Incident closed.

6/6/17: During an IWPT inspection at CinChemPro, a concrete pit area was found to be connected to a storm sewer. CinChemPro said they kept this pipe plugged; however, the plug could not be found. Ohio EPA Div. of Emergency & Remedial Response (DERR) was brought in. Clermont SWCD has been unsuccessful in reaching out to DERR to get an update. Incident still open.

6/28/17: Clermont OEQ witnessed concrete spoils being dumped on the shoulder of SR 222 adjacent to a roadside ditch by Hotel Trucking. Clermont OEQ referred this to Ohio EPA DERR which investigated and followed up with the company. Incident closed.

10/17/17: Miami Twp reported dry weather flow in a storm sewer serving Oasis Drive. Clermont SWCD has conducted two site inspections, and arranged for a video inspection of the sewer in question, but to date, the source of the dry weather flow has not been identified. The water is clear with no odor; a break/leak in the water distribution system is suspected. When conditions dry out, SWCD will conduct further inspections and collect samples to confirm. Incident open.

11/14/17: An IWPT inspection at multiple Eger Products facility noted several issues, including the potential discharge of non-contact cooling water from thermoforming equipment, discharge of toted wash water used to clean color mixing equipment, and discharge of mop water and cooling bath water to a utility sink that was connected to a storm drain. An NOV was sent on 11/16. The violations were still open at the end of 2017, but all had been addressed by 2/12/18. Incident closed.

11/27/17: Slight sheen noted in detention basin that takes water from equipment wash bay at Art's Rental on Bach Buxton Rd. Need to schedule meeting with management to review maintenance records of oil-water separator. Incident open.

11/29/17: During hot list inspection, grease noted in catch basin in Frisch's parking lot (SR 28). SWCD met with the store manager on 12/11 and gave 30 days to clean the basin. A re-inspection on 1/19/18 showed the basin was clean. Incident closed/still on hot list.

12/15/17: An IWPT inspection at PLI Group, 1003 Tech Drive, noted whitish grit near a loading dock drain, where a granite slurry roll-off dumpster is located. The issue was forwarded to Ohio EPA, which in turn issued an NOV. PLI Group submitted a plan to eliminate the discharge which includes an enclosed building in which the slurry dumpster will be located. Clermont SWCD will work with Ohio EPA to monitor construction. Incident open.

12/21/17: A resident at 114 Zachary Drive in Williamsburg was seen washing concrete from his truck into the street. The Village sent a NOV, with which the resident complied. Incident closed.

Upload File Name for the Illicit Discharges: Open illicits_2017.docx

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Planned Activities	Comments	Effective
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Stream Monitoring and Sampling Program	Clermont OEQ, Clermont SWCD	Conduct annual stream monitoring and sampling program	Yes	<p>The 2017 stream monitoring and sampling program conducted by the Clermont OEQ and SWCD involved continuous physical parameter monitoring (temp, pH, conductivity, and ORP or turbidity) at four long-term monitoring stations. Monitoring of organic compounds, stage, discharge, temperature, and conductivity was completed in Pleasant Run, upstream and downstream of CECOS. Wet weather sampling occurred during 16 rain events at four sites to determine nutrient loads from an agricultural BMP in the Grassy Fork watershed. Fifteen wet weather events were sampled at two edge-of-field monitoring stations to determine nutrient loads from farm field with BMPs. Additional monitoring and sampling was conducted by the US EPA Office of Research & Development and U.S. Army Corps of Engineers as part of the joint program being conducted by the East Fork Watershed Cooperative. Clermont County is a Level 3 Quality Data Collector. All data collected are being submitted to Ohio EPA through its Volunteer Monitoring Program.</p>		Yes
HSTS Inspections	Clermont County Public Health	Inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Yes	<p>Clermont County Public Health inspected 6,594 home sewage treatment systems throughout Clermont County in 2017. Inspection results for all HSTSs are now available on line. Anyone interested in viewing an inspection report for a particular system can visit http://clermonthealthdistrict.org/recordsearch.aspx and enter the address of the property.</p>		Yes

Sewage Nuisance Abatement Remediation Program (SNARP)	Clermont County Public Health	Track # of people enrolled in SNARP, including those moving toward full system replacement.	Yes	The SNARP program provides homeowners with an opportunity to gradually make improvements to their system and possibly avoid or delay a full replacement of the septic system, as long as the plan abates the sewage nuisance. For details on SNARP, visit www.clermonthealthdistrict.org/SNARP_Main.aspx . In 2017, the Health District received 34 separate SNARP applications. A total of 21 SNARP projects were completed.	Yes
Septic System Rehabilitation - Community Development Block Grant (CDBG) Program	Clermont County Public Health	Track # of CDBG applications for septic system rehabilitation and number of rehabilitation projects completed	Yes	This program utilizes CDBG funds to assist homeowners with repairs on malfunctioning septic systems and to replace systems that are beyond repair. The program can also assist homeowners in connecting to accessible public sewer systems. Each qualifying homeowner can receive up to \$14,000 toward the cost of HSTS repair or replacement, or toward connecting to public sewer. In 2017, 37 CDBG applications were received and 13 systems were either replaced or pending by the end of the year.	Yes

ILLCIT 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
Storm Sewer and HSTS Mapping	Clermont SWCD, Clermont OEQ, Clermont Public Health	Complete mapping in Felicity and Newtonsville areas	Clermont SWCD and OEQ will continue its efforts to map storm sewer systems in the rural villages, with a focus on Felicity, Newtonsville, Moscow and Neville. Existing maps will be kept up to date by adding new systems installed as the result of new developments or road improvements. Clermont County Public Health will continue to maintain and update its HSTS database.	Mapping efforts will take place year-round

Comments:

Stream Monitoring and Sampling	Clermont OEQ, Clermont SWCD	Stream and lake sampling within the East Fork Little Miami River watershed	Clermont OEQ and SWCD will continue to coordinate monitoring and sampling efforts with other members of the East Fork Watershed Cooperative. Possible changes from the 2017 monitoring program will be discussed and made in early 2018.	Sampling will be conducted year-round.
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Comments:

HSTS Inspections	Clermont County Public Health	Inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Public Health will continue to inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Year-round
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Comments:

Enforce illicit discharge regulations	Clermont SWCD, Milford	Eliminate discharges as they occur	Clermont SWCD will continue its efforts to detect illicit discharges through its screening and stream monitoring program, and will work with the responsible parties to eliminate them as they are found.	Year-round
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Comments:

Sewage Nuisance Abatement Remediation Program (SNARP)	Clermont County Public Health	Track # of people enrolled in SNARP, including those moving toward full system replacement.	Public Health will continue to offer the SNARP program which allows homeowners an opportunity to gradually make improvements to their systems and possibly avoid or delay a full replacement of the septic systems, as long as the plan abates the sewage nuisance.	Year-round
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Comments:

Dry Weather Screening	Clermont SWCD, OEQ, Engineer's Office and MS4 townships and municipalities	Screen 20% of public outfalls, including all those on the hot list.	Next year, Clermont SWCD will begin inspecting privately-owned post-construction BMPs on a watershed basis. Outfalls within the selected watersheds will also be screened. In 2018, efforts will be focused in the Salt Run-East Fork Little Miami River HUC 12 watershed.	Screening efforts will take place year round during dry weather conditions.
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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	Clermont County Building Inspection Department	Revise sediment and erosion control regulations; continue enforcement of existing regulations until revision completed	Yes	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes

Summary of Results or Activities: Clermont County began the process of revising the WMSC regulations in 2016, during which a public advisory committee was formed and met twice to develop draft revisions. One additional public committee meeting was held on July 28 which was attended by 10 people. Comments received were taken into account when completing the final draft of the revisions to the WMSC regulations. Public hearings were held on November 8 and November 15. One person spoke in favor of the changes on November 8. No other comments were received. The Board of County Commissioners passed a resolution adopting the revised WMSC regulations on November 29.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Standards Being Used	Effective
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Sediment and Erosion Control Requirements	Clermont County Building Inspection Department	Established sediment and erosion control regulations	Yes	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes
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Summary of Results or Activities: The County's sediment and erosion control requirements are contained in the Water Management & Sediment Control (WMSC) Regulations, primarily within Article 6. Clermont County adopted revisions to the regulations on November 29, 2017.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective
Complaint Process	Clermont County Building Inspection Department, Milford	Achieve 50% resolution of valid complaints	Yes	56	56	Yes

Summary of Results or Activities: Of the 56 complaints received, The Clermont County Building Department resolved 49 as of the end of 2017. Milford did not receive any complaints in 2017.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Sites Requiring Plans	# of Plans Reviewed	Effective
Site Plan Review Procedures	Clermont County Building Inspection Department, Milford	Established site plan review and approval procedures	Yes	921	921	Yes

Summary of Results or Activities: Clermont County conducted 914 plan reviews; Milford conducted 7. Details of plan requirements provided in WMSC Regulations. Specific review procedures contained in September 2016 Storm Water Management Plan.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites	# of Sites Inspected	Average Frequency	Effective
Site Inspection Procedures	Clermont County Building Inspection Department, Milford	Established site inspection procedures	Yes	1112	2524	0.2	Yes

Summary of Results or Activities: Clermont County conducted 2519 inspections at 1105 sites, while Milford conducted 5 inspections at 7 sites. Inspections help ensure compliance with sediment and erosion control requirements of WMSC regulations.

Comments:

Upload File Name(s) for Applicable Sites: WMSC Permit Activity 2017.pdf

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Violation Letters	# of Enforcement Actions	Effective
Enforcement Procedures	Clermont County Building Inspection Department, Milford	Established procedures for enforcing violations of WMSC Regulations	Yes	188	0	Yes

Summary of Results or Activities: For purposes of this annual report, conditional occupancy certificates are considered to be violation letters, and stop work orders are considered to be enforcement actions. In 2017, the Clermont County Building Department issued 186 conditional occupancy certificates; 102 of these have been resolved. No stop work orders were issued. Milford issued two verbal warnings to the same contractor for erosion issues at two sites. Both were addressed without further action being needed.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurements	Effective
Erosion & Sediment Control Field Day	Clermont SWCD, Regional Storm Water Collaborative	Host 1 erosion & sediment control field day for members of the development community	Yes	No. of field days (1), No. of participants	Yes

Summary of Activities or Updates: Clermont SWCD and the Regional Storm Water Collaborative worked with the ODA Division of Soil & Water Conservation to host an Erosion & Sediment Control Field day for members of the development community and erosion and sediment control inspectors in SW Ohio. The Field Day was held on September 28 and was a big success. A total of 160 attendees got to view demonstrations of eight different BMPs in a field setting, heard a presentation from Ohio EPA on potential updates to the Construction General Permit, and heard a panel discussion on industry trends.

Comments:

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
Respond to Erosion and Sediment Runoff Complaints	Clermont County Building Inspection Department, Milford	Achieve 50% resolution of valid complaints	The Building Department will continue to respond to complaints submitted by Clermont County residents, generally within 2 business days of receiving the complaint, and work to address an valid issues found during inspection.	Year-round

Comments:

Enforce WMSC Violations	Clermont County Building Inspection Department, Milford	Achieve compliance with regulations at all construction sites.	If violations are not corrected after verbal notification, the Building Department may use Stop Work Orders, withholding a Certificate of Occupancy, or permit revocation. Milford may issue written notifications with time periods for compliance, stop work orders or citations.	Year-round
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Comments:

Plan Review	Clermont County Building Inspection Department, Milford	Review sediment and erosion control plans for all construction activities disturbing 1 or more acre	Both Clermont County and Milford will follow the plan review process described in the Clermont County Storm Water Management Plan (September 2016)	Year-round
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Comments:

Inspect Construction Sites Disturbing 1 Acre or More	Clermont County Building Inspection Department, Milford	Inspect installation of BMPs prior to construction, conditions of BMPs during construction, and conduct final inspection after construction to ensure site stabilization	Inspect installation of BMPs prior to construction, conditions of BMPs during construction, and conduct final inspection after construction to ensure site stabilization	Year round
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Comments:

Erosion & Sediment Control Field Day	Clermont SWCD, Regional Storm Water Collaborative	Host 1 erosion & sediment control field day for members of the development community	Clermont SWCD and the Regional Storm Water Collaborative will again work with the ODA Division of Soil & Water Conservation to host an Erosion & Sediment Control Field day for members of the development community and erosion and sediment control inspectors in SW Ohio.	September 2018
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Comments:

Review Water Management & Sediment Control (WMSC) Regulations	Clermont County Building Inspection Department, Clermont SWCD	Identify areas where existing WMSC regulations are not consistent with the updated Ohio EPA Construction General Permit	Once Ohio EPA publishes the updated Construction General Permit, the Building Department and SWCD will begin to review existing WMSC Regulations for consistency with Ohio EPA Construction General Permit.	The review is anticipated to start in April 2018 following the renewal of the Construction General Permit.
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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	Clermont County Building Inspection Department	Revise regulations for post-construction storm water management; enforce current regulations until revisions are complete	Yes	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/	Yes

Summary of Results or Activities: Clermont County began the process of revising the WMSC regulations in 2016, during which a public advisory committee was formed and met twice to develop draft revisions. One additional public committee meeting was held on July 28 which was attended by 10 people. Comments received were taken into account when completing the final draft of the revisions to the WMSC regulations. Public hearings were held on November 8 and November 15. One person spoke in favor of the changes on November 8. No other comments were received. The Board of County Commissioners passed a resolution adopting the revised WMSC regulations on November 29.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Structural and/or Non-Structural Standards Being Used	Effective
Post-Construction Requirements	Clermont County Building Inspection Department	Established requirements for post-construction BMPs	Yes	The County's WMSC regulations contain requirements for the following BMPs: infiltration basin, enhanced water quality swale, dry and wet extended detention basins, constructed wetlands, sand and other media filtration practices, bioretention cells, pocket wetlands and vegetated filter strips. The regulations encourage vegetative buffers of 25 feet.	Yes

Summary of Results or Activities: The County's post-construction storm water management requirements are contained in the Water Management & Sediment Control (WMSC) Regulations, primarily within Article 5. Clermont County adopted revisions to the regulations on November 29, 2017.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective
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Site Plan Review Procedures	Clermont County Building Inspection Department, Milford	Established site plan review procedures for developments requiring post-construction BMPs	Yes	28	28	Yes
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Summary of Results or Activities: Plans reviewed to ensure BMPs are designed in compliance with County's WMSC Regulations. The County Building Department reviewed plans for 26 developments requiring post-construction BMPs, and Milford reviewed 2 plans requiring BMPs.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites	# of Inspections Performed	Average Frequency	Effective
Site Inspection Procedures	Clermont County Building Dept. (during construction) and Clermont County Engineer's Office (public watercourse basins after construction); Milford	Established inspection procedures for post-construction BMPs during construction and after completion of construction	Yes	119	77	0.05	Yes

Summary of Results or Activities: The Building Department inspected 26 BMPs during the construction of new developments; 3 of these failed inspection. All required corrections have been made.

The County Engineer's Office annually inspects and maintains 29 basins in 25 subdivisions under the public watercourse (ditch petition) program. Inspections insure these storm water basins are operating as intended. Maintenance activities include mowing, seeding bare areas, cleaning silt/debris from inlet/outlet structures and basin bottom, maintaining rip rap at outlet, cutting trees around headwalls and on dam, and conducting necessary repairs. In 2017, all work was routine.

In Milford, 36 property owners receive utility fee credit for 61 post-construction BMPs, including 20 detention basins, 17 grass channel/filter strips, 9 water quality ponds, 5 dry wells, 2 infiltration basins and 8 forested buffer strips. Milford inspected 19 of these BMPs in 2017.

Three detention ponds are maintained by the Village of Amelia - one at Shank Park, one on Deer creek Drive and one on Eastridge Lane. These are inspected monthly. Under a SWIF grant, a retrofit of the Shank Park detention basin was completed. The retrofit involved removal of a concrete low-flow channel and the establishment of a meandering low flow swale, the construction of a bioretention area near the outlet, and modifications to the outlet structure to allow for more storage during small to moderate storms.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Violation Letters	# of Enforcement Actions	Effective
Enforcement Procedures	Clermont County Building Inspection Department, Milford	Establish enforcement procedures for ensuring post-construction BMPs are built according to specifications	Yes	3	0	Yes

Summary of Results or Activities: The Building Department noted 3 violations during inspections of the 19 BMPs constructed in 2016. All violations were corrected.

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	Clermont County Engineer's Office, Amelia, Milford	# of long-term O&M plans and agreements for maintenance of private BMPs under Ohio "ditch petition" laws	Yes	93	93	Yes

Summary of Results or Activities: Public Watercourse agreements established with 25 subdivisions for Clermont Engineer's Office to maintain 29 storm water basins.

Three detention ponds are maintained by the Village of Amelia - one at Shank Park, one on Deercreek Drive and one on Eastridge Lane. These are visually inspected and mowed weekly. Amelia received a SWIF Grant to retrofit the Shank Park basin.

In Milford, 36 applicants received utility fee credit for 61 post-construction BMPs, including 20 detention basins, 17 grass channel/filter strips, 9 water quality ponds, 5 dry wells, 2 infiltration basins and 8 forested buffer strips.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurement 1	Measurement 2	Effective
Batavia Main Street Rain Garden Planters	Batavia Village	Maintenance of 52 bioretention/rain garden planters along Main Street, 2nd Street and 4th Street	Yes	52 rain garden planter inspections	N/A	Yes

Summary of Activities or Updates: In 2014, the Village of Batavia completed construction of major improvements to Main Street and portions of 2nd and 4th Streets. As part of the overall improvements, Batavia installed 52 curb-cut rain gardens that help treat street runoff prior to discharge to the East Fork Little Miami River. General maintenance (weeding, trash removal) was performed on all bioretention cells in 2017.

Comments:

Post Construction BMP Workshop	Clermont SWCD, Regional Storm Water Collaborative	1 Post Construction BMP Workshop	Yes	Post Construction BMP Workshop	N/A	Yes
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Summary of Activities or Updates: Clermont SWCD worked with the Regional Storm Water Collaborative to organize and host a workshop titled "Post-Construction Stormwater BMP Selection & Design for Public Transportation Projects. The primary speaker was Jon Prier, an Environmental Hydraulic Engineer for ODOT. A total of 77 people attended the workshop.

Comments: N/A

Milford Tree Rebate Program	Milford	Manage program that offers rebates to residents for new tree plantings	Yes	# of trees planted	N/A	Yes
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Summary of Activities or Updates: Milford began a program that offers residents for a newly planted tree per residential parcel per calendar year. A 50% rebate is paid to eligible residents who plant trees that meet the City's criteria. In 2017, 9 trees were planted.

Comments: N/A

Batavia Tree Distribution	Batavia Village	Distribute 300 tree seedlings to village residents	Yes	# of tree seedlings	N/A	Yes
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Summary of Activities or Updates: At the end of April, Batavia Village purchased 300 tree seedlings (150 Redbuds, 150 White Dogwoods) from Clermont SWCD and distributed these to village residents free of charge.

Comments: N/A

Detention Basin Maintenance Manual	Clermont SWCD	Develop/distribute 1 detention basin maintenance manual for private property owners	Yes	1 detention basin maintenance manual	N/A	Yes
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Summary of Activities or Updates: Before 2017, Clermont SWCD had a simple, 2-page management guide for detention basins that it made available to owners/operators of private detention basins. In 2017, SWCD completed the development of a detailed, 8-page, full color maintenance manual. A total of 250 copies were direct mailed to private owners. The manual is also available online at www.clermontswcd.org/guidebook-available-on-detention-basins/

Comments: N/A

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
Inspection of Private BMPs Having no Public Maintenance Agreements	Clermont SWCD	Inspect approximately 180 privately-owned BMPs in the Salt Run-East Fork Little Miami River HUC-12 watershed	Under an agreement with the County Commissioners, Clermont SWCD will begin to conduct inspections of privately-owned post-construction BMPs to help ensure that they are properly maintained. The goal of this program is to inspect each BMP once over the five year permit cycle.	Inspections will begin in late Spring 2018 and continue through the year

Comments:

Inspect Post-Construction BMPs Upon Completion	Clermont County Building Inspection Department	Inspect all post-construction BMPs upon completion of construction	The Building Department will continue to inspect all post-construction BMPs upon completion of construction to ensure that they are built according to approved plans.	Year-round
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Comments:

Inspect Private BMPs with Long-term Agreements	Clermont County Engineer's Office, Amelia, Milford	Conduct annual inspections of all privately-owned post-construction BMPs that are publicly maintained or receive utility credits	The County Engineer's Office will conduct annual inspections of all detention basins and other structures that it maintains under the public watercourse program. Amelia Village will conduct annual inspections of the three detention basins it maintains. Milford will conduct annual inspections of any BMP which receives a credit under the city's storm water utility (currently 61 BMPs)	Primarily Spring through Fall 2018
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Comments:

Review Water Management & Sediment Control (WMSC) Regulations	Clermont County Building Inspection Department, MS4 Municipalities	Identify areas where existing WMSC regulations are not consistent with the updated Ohio EPA Construction General Permit	Once Ohio EPA publishes the updated Construction General Permit, the Building Department and SWCD will begin to review existing WMSC Regulations for consistency with Ohio EPA Construction General Permit.	The review is anticipated to start in April 2018 following the renewal of the Construction General Permit.
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Comments:

Plan Review	Clermont Building Department, Engineer's Office, Planning Dept, SWCD; City of Milford	Review post-construction storm water management plans for all construction activities disturbing 1 or more acre	Both Clermont County and Milford will follow the plan review process described in the Clermont County Storm Water Management Plan (September 2016)	Year-round
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Comments:

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
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Employee Training Program 3	Clermont SWCD, Milford	1 MS4 training session for new Milford employee	Yes	MS4 Permit Requirements, Reporting	Milford Public Works Director	1	Yes
Summary of Activity: On February 16, the SWCD Administrator met with Milford's new Public Works Director to review the MS4 permit, the County's Storm Water Management Plan, and Milford's responsibilities under both.							
Comments: N/A							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 4	Clermont County Building Department, Milford	Attend erosion & sediment control inspection training, receive certification	Yes	Erosion & sediment control, inspection of BMPs	Inspectors for Clermont County Building Department, Milford	3	Yes
Summary of Activity: On February 10, Milford's Public Works Department Director and Assistant Director attended a training session held by the National Storm Water Center for sediment and erosion control inspectors. Both are now "Certified Stormwater Inspectors." On July 20, the Building Department's WMSC Inspector also attended the training and received his certification.							
Comments: N/A							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 5	Clermont SWCD	Attend OKI Regional Conservation Council Annual Workshop	Yes	K-12 education programs, 9-element watershed plans, volunteer monitoring	SWCD staff	3	Yes
Summary of Activity: Three SWCD employees attended OKI Regional Conservation Council's annual workshop on April 5. The workshop included presentations on "Caring for Watersheds" educational programs for grade school students, preparing nine-element watershed action plans, and volunteer monitoring.							
Comments: N/A							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 10	Clermont SWCD	Attend ORAM for Wetlands Training	Yes	Ohio Rapid Assessment Method for Wwtlands	SWCD Watershed Coordinator	1	Yes
Summary of Activity: Clermont SWCD's Watershed Coordinator attended a two day training course (May 17-18) on the Ohio Rapid Assessment Method for Wetlands (v. 5.0) in Columbus.							
Comments: N/A							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 7	Clermont SWCD, Regional Storm Water Collaborative	Host an Erosion & Sediment Control Field Day	Yes	Erosion & Sediment Control	Development community	4	Yes
Summary of Activity: Clermont SWCD helped the Regional Storm Water Collaborative plan and host the "Southwest Ohio and Northern Kentucky Erosion & Sediment Control Field Day" on September 28. The event included field demonstrations of various construction BMPs and classroom presentations, including a talk on potential changes to Ohio EPA's Construction General Permit. The Field Day was attended by both SWCD and Clermont County Engineer staff.							
Comments: N/A							

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 8	Clermont SWCD	Attend the OKI Regional Conservation Council's Annual Conservation Tour	Yes	Stream restoration, wetlands	Clermont SWCD staff and supervisors	5	Yes

Summary of Activity: Five Clermont SWCD staff and supervisors attended the annual OKI-RCC Conservation Tour, hosted this year by Warren SWCD. Key stops on the tour included a stream restoration site in a residential area, and constructed wetlands.

Comments: N/A

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 1	Clermont SWCD, Emergency Management Agency, Engineer's Office, Water Resources Department, Batavia Twp, Batavia Village, Goshen Twp, Miami Twp, Milford, Monroe Twp, Ohio Twp, Owensville, Stonelick Twp, Tate twp, Union Twp, Williamsburg Twp, Williamsburg Village	Host one local pollution prevention workshop	Yes	Erosion & sediment control requirements for transportation projects, spill preparedness & response	Clermont County MS4 Co-permittees	29	Yes

Summary of Activity: On November 9, Clermont SWCD hosted a pollution prevention training for the county co-permittees that included a presentation from ODOT on erosion & sediment control requirements for transportation projects. The Clermont County Director also gave a talk on how best to prepare for and respond to spills. Finally, the SWCD Administrator led a group discussion on how best to maintain the storm sewer GIS geodatabase.

Comments: N/A

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 2	Clermont SWCD	Attend the annual Ohio Stormwater Conference	Yes	Storm water BMPs, stream restoration, watershed and land management issues	Storm water management professionals	1	Yes

Summary of Activity: From May 10-12, the Clermont SWCD Administrator attended the annual Ohio Storm Water Conference in Sandusky, OH. The conference included multiple sessions on BMPs, stream restoration, storm water management, watershed and land use issues.

Comments: N/A

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 6	Clermont SWCD, Regional Storm Water Collaborative	Host and attend a workshop on BMPs for transportation projects	Yes	Post-construction storm water BMPs for transportation projects	Public Works Dept officials	2	Yes

Summary of Activity: Clermont SWCD helped the Regional Storm Water Collaborative plan and host a workshop titled "Post-Construction Storm Water BMPs for Public Transportation Projects." The June 15 workshop featured Jon Prier from ODOT as the primary presenter. The SWCD Administrator and Miami Township's Public Works Director attended.

Comments: N/A

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 9	Amelia Village, Pierce Township	View storm water pollution prevention training video	Yes	Pollution prevention for municipal activities	Village/Township personnel	3	Yes

Summary of Activity: On Dec. 7, The Amelia Public Works staff (2) and the Service Department Director for Pierce Township viewed the training video titled "Stormwater Pollution Prevention for MS4s" published by Excal Visual.

Comments: N/A

BMP (mechanism)	List of Municipal Facilities Subject to Program	O&M Procedures Developed?	# of Inspections Performed	Frequency of Inspections
Municipal Facilities	Facilities include 1,042.2 miles of county, township and municipal roads and associated storm sewers and roadside ditches, service department facilities for each of the 16 co-permittees, 34 parks and 44 cemeteries	Yes	12575	Varies by facility. See individual P2 reports for co-permittees.

BMP (mechanism)	Summarize Maintenance Activities and Schedules	Summarize Activities Performed
MS4 Maintenance	In general, storm sewers are cleaned on an as needed basis, determined by inspections, and resident complaints. Catch basin grates are regularly inspected and cleaned, especially after significant storms. Repairs to MS4 infrastructure are done on an as-needed basis. The County Engineer's Office uses Flexamat in some roadside ditches that are subject to severe erosion. For more detailed information, refer to the individual P2 reports for each co-permittee.	Ditch cleaning, storm sewer cleaning, catch basin grate cleaning, use of Flexamat in ditches to reduce erosion, infrastructure repair and replacement, dry well cleaning (Milford)

BMP (mechanism)	Procedures Developed?	Document Amounts of Wastes Properly Disposed
Disposal of Wastes	Yes	Uncontaminated sediment cleaned from the MS4 is typically used as fill in parks, cemeteries or other public properties, other waste collected from the MS4 is disposed of as solid waste unless contaminated, and then is disposed of as hazardous waste. For more detailed information, refer to the individual P2 reports for each co-permittee.

BMP (mechanism)	Covered?	Tons Used	Summarize Measures Taken to Minimize Usage
Road Salt	Yes	10641 Tons	Three co-permittees (County Engineer, Miami and Union) also used 46,058 gallons of brine and Miami Twp used an additional 650 gallons of calcium. Measures differ among co-permittees, but range from training and dry weather runs before the winter season begins, careful monitoring of weather forecasts and road conditions, pre-treatment with brine, calibrating spreader equipment, minimizing settings on spreaders, narrow spreading along the road centerline, and treating only intersections, curves and hills. See individual co-permittee P2 reports for specific measures.

BMP (mechanism)	Procedures Developed?	Gallons Used	Summarize Measures Taken to Minimize Usage
Pesticide & Herbicide Usage	Yes	2757 Gallons	Note that some co-permittees track usage of undiluted pesticides while others report the mixed amount. Measures to minimize usage varies. Some co-permittees do not use any pesticides. Those that do have staff that have received training and a commercial applicators license, or contract with a private applicator who is licensed. Some co-permittees only use pesticides in very limited areas (such as around guardrails). Care is taken to avoid applications before, during and immediately after wet weather events, and windy conditions. Refer to the individual co-permittee P2 reports for specific measures.

BMP (mechanism)	Procedures Developed?	Pounds Used	Summarize Measures Taken to Minimize Usage

Fertilizer Usage	Yes	21075 Pounds	In addition to the amount of pounds reported above, Miami Twp reported using 12,469.8 gallons of liquid fertilizer. Most co-permittees do not use any fertilizers - only 7 of the 17 applied some fertilizer in 2017. Those that do may conduct the applications themselves or hire a contractor. Care is taken to avoid applications before, during and immediately after wet weather events, and windy conditions. Some apply fertilizers only in small specific areas. See the individual co-permittee P2 reports for specific measures.
BMP (mechanism)	Procedures Developed?	Document Amount of Material Collected and Properly Disposed	
Street Sweeping	Yes	64 cubic yards. Only the City of Milford and Batavia Village own and operate street sweepers, and the County Engineer's Office rented a street sweeper in 2017. Others use Municipal Court Community alternative sentencing individuals to clean litter and large items from roadways.	
BMP (mechanism)	Summarize Any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality		
Flood Management Projects	No flood management projects were conducted in 2017		
BMP (mechanism)	Summary		
Industrial Pollution Prevention Training	On October 27, Clermont SWCD hosted a pollution prevention training session for all industries in the county that hold an Industrial Storm Water General Permit. Speakers included Jason Fyffe from Ohio EPA's Storm Water Section who gave an overview of the permit requirements and industrial BMPs; Amber Hicks from Ohio EPA OCAPP who reviewed services available through OCAPP, and the director of Clermont County's Emergency Management Agency who discussed spill preparedness and response. 17 people attended the workshop, including representatives from 8 of the 18 permitted industries in the county.		

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

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

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Inspections of Municipal Facilities	All Clermont County MS4 Co-permittees	Inspections of individual MS4 systems, service department grounds, fleet maintenance facilities, parks, cemeteries and other facilities according to their existing schedules	Each co-permittee will continue to inspect their individual MS4 systems, service department grounds, fleet maintenance facilities (if they exist), parks, cemeteries and other facilities according to their existing schedules. Those co-permittees with full fleet maintenance facilities (County Engineer, Miami Twp, Union Twp) conduct formal facility inspections and visual screening of outfalls on a quarterly basis, and an end-of-year comprehensive inspection with the SWCD Administrator.	Inspection schedules vary by co-permittee. Activities will be conducted year-round.
Comments: N/A				
Employee Training	All Clermont County MS4 Co-permittees	Each co-permittee will attend a minimum of one training session related to storm water management	Known training includes the Ohio Storm Water Conference (SWCD), the SW Ohio Erosion & Sediment Control Field Day, and the annual training session hosted by Clermont SWCD for all permit partners	Ohio Storm Water Conference - May 2018; Erosion & Sediment Control Field Day - September 2018; Clermont SWCD Training Seminar - November 2018
Comments: N/A				
Industrial Pollution Prevention Training	Clermont SWCD	1 training session for Clermont County industries holding industrial storm water general permits.	Clermont SWCD will host its 2nd pollution prevention training session for all industries in the county that hold an Industrial Storm Water General Permit.	November 2018

Comments: N/A				
Minimize Pesticide Runoff	All MS4 Co-permittees that conduct spraying	Obtain training needed to maintain commercial applicators license, or contract with licensed applicator. Apply only during appropriate conditions	All MS4 Co-permittees that conduct spraying will either obtain training needed to maintain their commercial applicators licenses, or contract with a licensed applicator. Applications will not be made during or immediately after wet weather, or when significant rain is forecast, or during excessively windy conditions.	Spring through Fall 2018

Comments: N/A				
Minimize Fertilizer Runoff	All MS4 Co-permittees that use fertilizers	Use fertilizer only where needed; apply only in appropriate conditions	MS4 co-permittees that use fertilizer will apply it only in areas needed, and will not conduct applications during wet weather, or when significant rain is forecast.	Spring through Fall 2018

Comments: N/A				
Road Salt Minimization	All MS4 Co-permittees	Reduce salt usage to the greatest extent possible while still maintaining safe driving conditions and protecting public safety.	Strategies vary among co-permittees, but range from training and dry weather runs before the winter season begins, careful monitoring of weather forecasts and road conditions, pre-treatment with brine, calibrating spreader equipment, minimizing settings on spreaders, narrow spreading along the road centerline, and treating only intersections, curves and hills.	Winter season

Comments: N/A				
Disposal of Wastes Collected from MS4	All Clermont County MS4 Co-permittees	Proper disposal of waste collected from the MS4	Waste collected from the MS4 may be disposed of in one of three ways. If the waste is uncontaminated soil/sediment or vegetation, this may be used as fill or mulch on public properties such as parks and cemeteries (excluding swales, ditches and streams). Any garbage/trash collected will be disposed of as solid waste. Any waste contaminated with oil or other hazardous material will be disposed of as hazardous waste.	Year round

Comments: N/A

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.

The Clermont County Storm Water Management Plan was updated in September 2016. No changes have been made since this time

VARIANCES GRANTED (IF ANY)

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

No variances were granted.

ADDITIONAL INFORMATION

Please add any additional comments or attachments below.

A copy of individual pollution prevention / good housekeeping activity forms are attached for each co-permittee.

