



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: 2018		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.pdf

Certification

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

Applicant Name: John McManus	Title: Program Manager
Signature: Electronically submitted by mcmanus	Date: Electronically submitted on 03/29/2019

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
Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	Conduct 1 public workshop; 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

Summary of Results: 1 public workshop conducted on June 25 with Regional Storm Water Collaborative - 45 attendees.

Public demonstration rain gardens maintained at Clermont County Fairgrounds, Pattison Park, Veterans Park (Union Twp) , Stagge-Marr Park (Goshen) and Shank Park bioretention (Amelia); rain garden at Shor Park will be rehabbed after park construction completed in 2019.

19 rain barrels sold as part of 2018 conservation plant sale and single sales throughout the year

Rain Barrel Art event - From 102 entries coming from 41 private artists and 61 schools, 40 rain barrel art designs were selected. 64 artists attended the rain barrel workshop on February 10. The 40 painted barrels were displayed at the Cincinnati Zoo through the month of April and auctioned during the Party for the Planet on April 19. Attendance at the Zoo during the rain barrel art display was more than 100,000 visitors. The event received coverage from 2 local news outlets

The Rain Garden Central web site was maintained at www.clermontswcd.org/rain-gardens-barrels/. There were 785 Page Views for all rain garden/rain barrel pages.

Comments: N/A

Riparian Buffers	Clermont SWCD	1 presentation to local government zoning officials and the development community	Benefits of riparian buffers / setback regulations	Zoning officials, development community	100	No
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Summary of Results: Clermont SWCD gave a presentation on the importance of riparian buffers and stream setbacks to the Clermont County Township Association on January 18. 31 people representing 10 of the county's 14 townships, a County Commissioner and a state representative. A similar presentation was given to the Ohio Valley Development Council on February 6.

Comments:

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
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Summary of Results: Clermont County Park District naturalists conduct various education programs related to water-quality. In 2018, naturalists conducted four of these programs to a total of 78 participants, including "Water, Water Everywhere" to 14 students from St. Louis Elementary on 5/23, a stream exploration program (Hikes with Tykes) to 33 people on 8/21, and two programs that included the use of the watershed runoff table ("Wildlife Wednesday - Helpful Habits" to 15 people on 4/18 and "Living Green" to 16 people on 8/25).

Outdoor Weekend - Clermont SWCD, OEQ and Park District hosted two educational canoe floats on September 29. The Park District naturalist talked to participants about the importance of riparian zones and how they affect water quality, including how they filter pollutants and help prevent bank erosion. 26 people participated.

Comments:

Storm Water Web Site Education Materials	Clermont SWCD, Office of Environmental Quality, Regional Storm Water Collaborative	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
<p>Summary of Results: www.oeq.net: 1Q - 1,726 users, 3,934 page views; 2Q - 2,178 users, 4,400 page views; 3Q - 2,334 users, 4,235 page views; 4Q - 1,685 users, 3,059 page views; 2018 totals - 7,923 users, 15,628 page views</p> <p>www.clermontswcd.org: 1Q - 1,313 users, 3,442 page views; 2Q - 1,867 users, 4,070 page views; 3Q - 2,092 users, 5,008 page views, 4Q - 1,438 users, 2,930 page views; 2018 totals - 6,710 users; 15,450 page views</p> <p>The Regional Storm Water Collaborative's web site, www.savelocalwaters.org, had 6,498 users and 17,002 page views</p>						
Comments: N/A						
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: 117 total programs conducted reaching an estimated 4,025 school children. Programs and number of program presentations include: EnviroScape (9), Animal Tracks (32), Fred the Fish (8), Incredible Journey (21), Soil & Erosion (31), Web of Life/Links in a Chain (2), Humpty Dumpty (5), and 9 programs with SWCD's new Augmented Reality Sandbox, Programs were conducted in each of the school districts serving the MS4 area except Goshen, Tate Twp and Williamsburg. Augmented Reality Sandbox presentations were also given during Natural Resources Day at the Clermont County Fair. An estimated 200 people visited the Streamulator.</p> <p>The SWCD Education Specialist developed an online PowerPoint presentation following the "Fred the Fish" program. This has been posted on the SWCD web site at https://www.clermontswcd.org/wp-content/uploads/sites/23/2019/03/fredthefish.pdf. A second online educational program will be developed in 2019.</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, 26 attendees	Pond and retention basin maintenance	Pond / basin owners	54	Yes
<p>Summary of Results: 1 press release advertising the clinic was distributed on March 13, which resulted in an article in the Clermont Sun and online articles for the cincinnati.com Community Share pages. A total of 27 people attended the April 10 clinic; a respectable turnout but less than our goal of 50. 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: We believe interest in the pond clinic is dwindling due to similar topics being discussed each year. The Pond Clinic will be revamped in 2019, with different topics and breakout sessions provided. The location will also be moved to the Cincinnati Nature Center, which should help attendance.						
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 two press releases and conducted one Facebook advertising campaign for Spring Litter Cleanup activities. The press releases resulted in two articles in the Clermont Sun (3,100 subscribers to Thursday edition, 17,000 to Sunday Sun). The Facebook ad had a total reach of 9,945 and 857 engagements.</p>						
Comments:						
Home Sewage Treatment Systems	Clermont County Public Health	Conduct 1 homeowner training session, distribute 3500 information cards to homeowners before inspections; maintain educational web site	Proper installation of new or replacement HSTs; Proper care and maintenance of existing HSTs	HSTS owners	100	Yes

Summary of Results: Public Health hosted a training sessions on mound systems for homeowners on August 22, which was attended by 7 people.

7,302 information cards were sent (the information cards replace the old Septic Gazettes).;

1 press release issued about grants available to help low income homeowners repair their septic systems (Oct 19) - resulted in an article in Loveland Magazine (circulation unknown);

Web site maintained at <https://ccphohio.org/septic-system-operation-permits/>

Comments:

Household Hazardous Waste	Clermont SWCD, Water Resources Dept. regional Storm Water Collaborative	Development of new regional web site, 1 utility bill mailing	Proper disposal of household hazardous waste, anti-dumping campaign	Those living and doing business in Clermont County	100	Yes
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Summary of Results: The Regional Storm Water Collaborative, in conjunction with local sold waste districts, developed a new web site to help area residents reduce the amount of hazardous waste used and the amount improperly disposed of. The new web site - www.takebackyourhome.org, shows users how to "T"each themselves to find the correct quantity needed for a project, find "A"lternatives to hazardous products, "K"now how to store the materials properly, and "E"xplre disposal options.

The Clermont Water resources Department included an educational message on its utility bills for one full cycle that showed customers how to recycle or dispose of hazardous items locally, and also referred them to takebackyourhome.org for more information. Additionally, the County distributed a press release on March 2 that gave tips on household hazardous waste disposal following recent Ohio River flooding.

Comments:

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
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Summary of Results: The Regional Storm Water Collaborative produced 3 videos, which received 31,800 views and were viewed for 9,200 minutes on YouTube. The videos were entitled ¿Oil Change ¿ TakeBackYourHome.Org¿, ¿Deck Stain ¿ TakeBackYourHome.Org¿ and ¿Electronic Recycling ¿ TakeBackYourHome.Org¿. The videos encouraged the viewers to reduce Household Hazardous Waste (HHW) and consider more environmentally friendly disposal options.

The Collaborative partnered with WLWT and Local 12 in 2018 and purchased 228 spots that had a reach of 1,169,002 with 3,322,400 impressions. The videos were entitled ¿Oil Change ¿ TakeBackYourHome.Org¿, ¿Deck Stain ¿ TakeBackYourHome.Org¿ and ¿Electronic Recycling ¿ TakeBackYourHome.Org¿. The videos encouraged the viewers to reduce Household Hazardous Waste (HHW) and consider more environmentally friendly disposal options.. Clermont County makes up approximately 10% of the viewership, so these numbers would translate to a reach of 116,900 with 332,240 impressions in Clermont County.

The Collaborative conducted an online campaign with Nexstar Media Group targeting website and TV Streamers. The Campaign had a reach of 324,000. The campaign encouraged the viewers to reduce Household Hazardous Waste (HHW) and consider more environmentally friendly disposal options.

Comments:

Retention Basin Maintenance	Clermont SWCD	Develop and publish retention basin maintenance manual; distribute to private owners/HOAs and post online	Retention basin maintenance	Private owners/operators of detention basins	100	No
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Summary of Results: Before 2018, Clermont SWCD had a simple, 2-page management guide for retention basins that it made available to owners/operators of private retention basins. In 2018, SWCD completed a draft of a detailed, full color maintenance manual. As of the end of 2018, the final draft was still being formatted. The manual will be completed and published in early 2019.

Comments: N/A

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
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Summary of Results: Clermont SWCD - 10 articles: Spring Litter Cleanup Call for Volunteers (Spring), Pond/Retention Basin Management Clinic / Handbook (Spring); Rain Garden Workshop Notice (Summer), Tips for Minimizing Pesticide Usage on Lawns (Summer), Ohio River Sweep Call for Volunteers (Summer), Spring Clean-up Results (Summer), Storm Water Management Field Day notice (Fall), O'Bannon Creek Stream Restoration Project (Fall), Spring Litter Cleanup T-Shirt Design Contest (Winter), Rain Barrel Art Call for Designs (Winter). 442 printed newsletters, 1,426 electronic editions, 245 web site views.

Clermont County - Spring Litter Cleanup and Christmas Tree Recycling (Jan), Spring Litter Cleanup, Pond Management Clinic and Conservation Plant & Rain Barrel Sale (Apr), O'Bannon Creek Restoration, (May), Septic System Rehab Applications (Nov and Dec). Est 1100 per newsletter

Batavia Village - March newsletter included a notice about Clermont SWCD's Conservation Plant and Rain Barrel sale. 600 newsletters distributed with water-sewer bill

Miami Township - Article on storm water ditch and sewer maintenance, with general pollution prevention tips for residents (Summer) - 14,700 newsletters + web site

Milford - Article about household hazardous waste disposal and an anti-dumping message in the April-May 2018 newsletter. Sent to approx. 3,000 households.

Ohio Township - Tips on minimizing pesticide usage on residential lawns. Reached est. 3000 residents

Union Township - Proper yard waste disposal/voucher program and Junk Days (Fall) - 500 printed + web site

Comments:

Storm Water Management Field Day	Regional Storm Water Collaborative, Clermont SWCD	1 Storm Water Management Field Day	Erosion and sediment control & post-construction BMPs	Development community, local government inspectors	100	Yes
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Summary of Results: The Regional Storm Water Collaborative (including Clermont SWCD) worked work with the ODA Division of Soil & Water Conservation to host a Storm Water Management Field Day for members of the development community and erosion and sediment control inspectors in SW Ohio. The Field Day was held on September 27 and was a big success. A total of 112 attendees got to view demonstrations of five different BMPs in a field setting, heard a presentation from Justin Reinhart, Ohio EPA, about the new Construction General Permit and the runoff reduction method, a presentation on minimizing storm water runoff impacts through targeted flow thresholds, and a keynote presentation from Seth Brown, Director of Storm Water Programs for the Water Environment Federation.

Comments:

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
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Summary of Results: Clermont SWCD had 25 Facebook posts and 32 Twitter tweets (plus 15 re-tweets) related to storm water management; topics included news on volunteer litter cleanups, rain barrels, basin management, nutrient runoff and harmful algal blooms, plastics litter, storm water workshops, tire cleanups, and more. Facebook posts had a total reach of 20,399 and 2,220 engaged users. Twitter had 52 likes, 39 re-tweets, total engagement of 318 and 27,403 impressions. Facebook page likes increased by 81 to a total of 580. Twitter followers increased by 41 to a total of 455.

The Regional Storm Water Collaborative's Facebook page (SaveLocalWaters) has 1,330 likes, 77,403 users and 134,556 impressions. The SaveLocalWaters Twitter account had 305 followers, 580 tweets and 2,271 impressions.

Comments:

General Storm Water Education - Presentations	Clermont SWCD, Clermont Park District, Regional Storm Water Collaborative	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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Summary of Results: Clermont SWCD and OEQ staff gave presentations during National County Government Month's Environmental Day on April 24. SWCD presented the Enviroscape program to 19 attendees while OEQ discussed the East Fork Watershed Cooperative's stream monitoring program.

Clermont SWCD staff gave a presentation to groups of people going through the Volunteer Naturalist Training program run by the Cincinnati Nature Center. A total of 21 people attended the first presentation on April 26. Topics included components of a watershed, functions, causes and sources of pollution, management practices, and aquatic life sampling.

Clermont SWCD and the Regional Storm Water Collaborative partnered with the Newport Aquarium's WAVE Foundation to construct the Discovery Cart - a watershed/nonpoint source interactive education station that Aquarium visitors can interact with, and a mobile fish cart stocked with sturgeon that Aquarium staff use to conduct education programs throughout the Greater Cincinnati area. The fish cart program focuses on nonpoint source pollution and its effects on the local fish population. In 2018, the Discovery Cart station had an estimated 25,000 interactions. Aquarium staff conducted 35 fish cart programs with an estimated 4,555 interactions. Detailed information on the Fish Cart program can be found at <https://wavefoundation.org/education/wave-on-wheels/aquarium-education-outreach/> under "Tri-State Treasures."

Comments:

Stream Restoration Field Day	Clermont SWCD, Water resources Dept.	1 Field day for O'Bannon Tributary Restoration Project	Hydromodification from increased development/impervious area / natural stream design	Design engineers and local governments	40	Yes
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Summary of Results: On May 23, Clermont SWCD and the Water Resources Department hosted a tour of the recently completed O'Bannon Tributary restoration project. Tour leaders discussed bed and bank erosion problems related to increased volume/rate of storm water runoff and the natural stream design principles and practices that were used to restore the site. A total of 8 people attended (project's goal was 20).

Comments:

PUBLIC EDUCATION & OUTREACH

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

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Proposed Schedule
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Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	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 December - Rain garden video Year-round - maintenance of demonstration rain gardens, rain barrel sales, maintenance of web site
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Summary of Planned Activities: 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 20 rain barrels; 6th 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

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 2019; development of online presentation in Summer 2019.
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Summary of Planned Activities: Programs include Enviroscape, Augmented Reality Sandbox, 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 offered to 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 2019
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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						
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 May 2019
Summary of Planned Activities: As of the end of 2018, the text for the retention basin manual had been finalized. In early 2019, the manual will be formatted, printed and distributes to private owners/HOAs, and also post online.						
Comments: N/A						
Illicit Discharge Detection and Elimination	Clermont SWCD, Regional Storm Water Collaborative	Develop one television ad campaign related to reporting illicit discharges	The theme of the advertising campaign will be "See Something, Say Something"	Residents and those doing business in the Greater Cincinnati area	100	May-June 2019
Summary of Planned Activities: The Regional Storm Water Collaborative will develop a television advertising campaign titled "See Something, Say Something," which will encourage people to report illicit discharges.						
Comments: N/A						
Streambank Protection/Stabilization Guide	Clermont SWCD	Develop 1 streambank protection/stabilization guide for private property owners	Streambank erosion/stabilization	Clermont County riparian landowners	100	September 2019
Summary of Planned Activities: 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.						
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 HSTSs	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						
Storm Water Management Field Day	Regional Storm Water Collaborative	1 Storm Water Management Field Day	Erosion and sediment control and post-construction BMPs	Development community, local government inspectors	100	September 2019
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 3rd Erosion & Sediment Control Field day for members of the development community and municipal storm water inspectors in SW Ohio						
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 9, 2019
Summary of Planned Activities: The 2019 Pond Clinic will be expanded, offering more presentations, topic, and a pond walk before the clinic. The Pond Clinic will review 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 75 attendees.						
Comments: N/A						

General Storm Water Education	Clermont SWCD, Clermont OEQ	Publish minimum of 4 newsletter articles, 12 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
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Summary of Planned Activities: Clermont SWCD will publish a minimum of 4 newsletter articles and post a minimum of 12 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

PUBLIC INVOLVEMENT AND PARTICIPATION

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate Of People Participated	Effective
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

Summary of Results: Four meetings were held in 2018 (Feb 22, May 3, Aug 23 and Dec 6). 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. 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:

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	153	Yes
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Summary of Results: Fleet maintenance collected 203 gallons of used motor oil from 68 residents, 20 gallons of unwanted fuels (gas, diesel) from 15 residents, 81 gallons of antifreeze from 54 residents and 70 gallons of used cooking oil from 26 residents.

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	453	Yes
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Summary of Results: On April 21, 453 volunteers donated over 1359 hours and collected approximately 4 tons of trash from 13 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
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Summary of Results: In 2018, volunteers sampled at 28 locations in Clermont County on the main stem of the Little Miami River, Little Miami River Tributaries, the East Fork, and two small lakes - Powell Crosley at the Cincinnati Nature Center and Woodcreek Lake in Woodcreek Subdivision. 230 samples were processed for 12 parameters. A total of 23 Clermont residents contributed to the 2018 Clermont County dataset, including water monitors (7), lab analysts (7), runners (2), program photographer/GPS coordinates (1), and the SSS data-sharing brunch (6). It's estimated that the Clermont volunteers contributed 371 hours performing all of the functions of the SSS Program on Clermont County sites in 2018.

Comments: Greenacres Foundation is re-evaluating all of its programs, and elimination of the volunteer monitoring is under consideration. As of March 2019, they are planning to conduct the program this year and re-evaluate at the end of the year.

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	234	Yes
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Summary of Results: There were 9 cleanup sites along the Clermont County stretch of the Ohio River, including Chilo, Moscow, Neville, New Richmond and multiple campground sites. A total of 234 volunteers collected approximately 695 bags of trash and larger miscellaneous items.

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
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Summary of Results: Est. 14 oz. of mercury collected by OEQ from 2 people and given to Environmental Enterprises for proper disposal; 51 vouchers for disposal of various household hazardous waste items at Environmental Enterprises in Cincinnati.

Comments:

Cardinal Land Conservancy	Clermont SWCD	Attend monthly meetings of Land Committee and the Clermont Area Council	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, and attended 11 of the 12 monthly meetings. In 2018, Cardinal signed an agreement to purchase and preserve 68 acres near Stonelick Creek. In total, Cardinal holds easements on 35 properties totaling 4,551 acres, including 202 acres in Clermont County, and owns seven preserves totaling 361 acres, including 68 in Clermont County.

Comments:

Municipal/Township Clean-up Days	Amelia, Batavia Twp/Village, Goshen Twp, Miami 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
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Summary of Results: Amelia - Hosted a clean-up day on May 21, 2018. Rather than having a single collection point, the village conducts a curbside pickup of unwanted, hard-to-dispose-of items. 30.9 tons of waste collected; number of participants is not available.

Batavia Twp/Village - 334 people participated on June 1-2. Collected materials that filled 2 rear-load garbage trucks, 6 30-yard roll-off dumpsters and 2 30-yard scrap metal dumpsters. Also collected 28 tires.

Goshen Twp - In June, Goshen Twp collected 43 tons of waste from an estimated 200 people, including 90 cubic yards of large items and 210 cubic yards of scrap metal.

Miami Township - April 27 & 28 and September 21 & 22. During the April event, 180.9 tons of trash were collected (129.7 tons rear loaders & 51.2 tons 30 cu. yd. containers), along with 21,399 lbs of scrap metal, 1,744 lbs. of lead batteries and 200 gallons of waste oil. At the September event, 169.2 tons of trash were collected (129.7 tons rear loaders & 39.5 tons 30 cu. yd. containers), along with 10,340 lbs of scrap metal, 636 lbs of lead batteries and 180 gallons of waste oil.

Stonelick Twp/Owensville - Held on in early May 2018. Do to change in personnel, numbers for this event were not available in time for this report.

Union Township - Junk days were held April 23-April 28, and October 18-20. Items included 61 refrigerators, with 18 garbage trucks, and 28 30 cu. yd. dumpsters filled with furniture, clothes, bicycles, electronic equipment, and lawn equipment.

Tate Twp - Cleanup Days held on April 13-14. Collected 110.87 tons using 8 30-cubic yd roll-off dumpsters and 10 compactor trucks. Also collected 185 tires. Number of participants unknown.

Williamsburg Twp - Hosted junk days in June 2018 and collected enough waste to fill 13 30-cubic yard droll-off dumpsters and one trash compactor. A total of 87 tons of material were collected. Approximately 500 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
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Summary of Results: Milford has disbanded this committee due to lack of public interest. If interest should rebound, Milford will consider re-establishing the committee.

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	23	Yes
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Summary of Results: 23 people participated in 12 monthly meetings during 2018. Currently, 165 acres are preserved as township green space. No additional acquisitions were made. The committee is working to develop an outdoor learning center at one of the Township's parks.

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 an educational medium	Greater Cincinnati artists of all levels	200	Yes
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Summary of Results: 102 artists, including 61 school groups and 41 individual artists, submitted rain barrel art entries, from which 40 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. 30 volunteers assisted with the rain barrel auction during the Zoo's Party for the Planet.

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
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 2019

Summary of Planned Activities: Area artists of all ages and skill levels will be invited to submit designs for the 7th 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 2019
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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:

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
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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, 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.
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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:						
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 2019						
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 2019
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:						
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 13, 2019 Ohio River Sweep - June 15, 2019
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:						
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:

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 are established as Article 8.0 of the WMSC regulations. The regulations were last updated in 2017. There were no changes in 2018.

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 have nearly been completed for the entire 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, 29,937 segments of pipe (484.3 miles) have been mapped, along with 22,260 catch basins, 2,535 inlets (excluding simple culverts), 5,110 outfalls (1,238 public outfalls, 3,522 private), 5,182 culverts, 4,771 manholes, and 735 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 21,978 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 - https://ccphohio.org/septic-system-operation-permits/septic-system-search/	Yes

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
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 has assumed responsibility for 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. A watershed by watershed schedule has been developed where outfalls in a particular watershed are screened along with inspections of post-construction BMPs. Clermont SWCD has also 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

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	1238	217	1	4	4	Yes

Comments: 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. To date, Clermont SWCD has been unsuccessful in reaching out to DERR to get an update; however, subsequent inspections have found pit area plugged and no signs of illicit discharge. Incident closed, but CinChemPro added to hot list for annual inspections.

10/17/17: Miami Twp reported dry weather flow in a storm sewer serving Oasis Drive. Clermont SWCD conducted two site inspections in 2017, but 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 was suspected. Sampling was conducted in 2018, and it was determined that the source was not public dringing water, but rather groundwater. 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 in 2017. Further inspections conducted in 2018 noted no oil/sheen in basin. Location added to hot list for annual inspections.

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. Inspections conducted by Clermont SWCD in 2018 did not find any signs of illicit. Incident closed, but location added to hot list for annual inspections.

1/19/18: Clermont SWCD received a complaint from a resident about grease in a creek on Middleton Way. The source was tracked to a catch basin behind Mio's Pizza, 732 Middleton Way. The SWCD administrator spoke at length with the store owner, who in turn spoke to staff about the proper disposal of grease. A follow-up inspection in March showed most of the grease had been cleaned from the catch basin. Incident closed, but location added to hot list for annual inspections.

4/16/18: A resident at 1251 Misty Lake Lane reported an oil sheen in a newly restored detention basin. An SWCD inspection determined this to be iron-oxidizing bacteria. Incident closed.

4/21/18: SWCD administrator noted a strong blue discoloration in roadside ditches on Maplewood/Elmwood Roads in Pierce Twp. Letter sent to five property owners in vicinity on 4/23. In follow-up call with responsible resident on 4/26, material determined to be Aqua-Shade from overflow of pond following recent storms. Best management practices shared with resident. Incident closed.

6/6/18: Resident at 701 Miamiview left voicemail on evening of 6/5 about milky white color in creek behind house. Inspection conducted early morning of 6/6. Creek was running clear. All catch basins tributary to the area were checked and no signs of illicit discharge/dumping found. Unable to trace source. Asked resident to call again if the milky white color returned. incident closed.

8/8/18: Batavia Village administrator witnessed sudsy washwater from Maggie's Mobile Pet Spa being dumped into catch basin and contacted Clermont SWCD. SWCD attempted to reach out to business owner with no success. Notice of Violation mailed. Copy of information provided to OEPA SW District Office. Incident closed.

Upload File Name for the Illicit Discharges: 2018 Illicit Discharge Elimination Schedule.docx

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Planned Activities	Comments	Effective
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	Clermont County Public Health inspected 7,302 home sewage treatment systems throughout Clermont County in 2018. Inspection results for all HSTSs are now available on line. Anyone interested in viewing an inspection report for a particular system can visit https://ccphohio.org/septic-system-operation-permits/septic-system-search/ and enter the address of the property.		Yes

<p>Septic System Rehabilitation - Community Development Block Grant (CDBG) Program</p>	<p>Clermont County Public Health</p>	<p>Track # of CDBG applications for septic system rehabilitation and number of rehabilitation projects completed</p>	<p>Yes</p>	<p>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 2018, 31 CDBG applications were received and 16 systems were either replaced or pending by the end of the year.</p>		<p>Yes</p>
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Stream Monitoring and Sampling Program	Clermont OEQ, Clermont SWCD	Conduct annual stream monitoring and sampling program	Yes	<p>The 2018 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. Weekly ambient sampling occurred at four sites to determine nutrient loads from an agricultural BMP in the Grassy Fork watershed. Twenty-six 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
Sewage Nuisance Abatement Remediation Program (SNARP)	Clermont County Public Health	Track # of people enrolled in SNARP, including those moving toward full system replacement.	Yes	<p>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 https://ccphohio.org/snarp_main.aspx /. In 2018, the Health District received 28 separate SNARP applications. A total of 23 SNARP projects were completed.</p>		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
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
Comments:				
Storm Sewer and HSTS Mapping	Clermont SWCD, Clermont OEQ, Clermont Public Health	Complete mapping in Felicity and Newtonsville areas	Clermont SWCD and OEQ will conclude its efforts to map storm sewer systems in rural areas, with a focus on the small Ohio River communities and remaining rural areas. 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:				
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
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.	Clermont SWCD will continue to inspect privately-owned post-construction BMPs on a watershed basis. Outfalls within the selected watersheds will also be screened. In 2019, 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.
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
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 2018 monitoring program will be discussed and made in early 2019.	Sampling will be conducted year-round.
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's WMSC Regulations were last updated in November 2017. Following the renewal of the Construction General Permit (CGP) in April 2018, Clermont County began the process of conducting another update. By the end of 2018, draft revisions that coincide with the CGP changes had been completed. A public advisory committee will be assembled in 2019 to consider the draft, and upon completion of a final draft, the regulations will be released for public comment.

Comments:

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

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	59	59	Yes

Summary of Results or Activities: Of the 59 complaints received, The Clermont County Building Department resolved 54 as of the end of 2018. Milford did not receive any complaints in 2018.

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	922	922	Yes

Summary of Results or Activities: Clermont County conducted 917 plan reviews; Milford conducted 5. 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	1174	2898	0.2	Yes

Summary of Results or Activities: Clermont County conducted 2888 inspections at 1174 sites, while Milford conducted 10 inspections at 5 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 2018.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	233	3	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 2018, the Clermont County Building Department issued 233 conditional occupancy certificates; 89 of these have been resolved. Three stop work orders were issued; none had been resolved by the end of 2018. Milford did not have any violation letters or enforcement actions.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurements	Effective
Storm Water Management Field Day	Clermont SWCD, Regional Storm Water Collaborative	Host 1 storm water management field day for members of the development community	Yes	No. of field days (1), No. of participants	Yes

Summary of Activities or Updates: The Regional Storm Water Collaborative (including Clermont SWCD) worked with the ODA Division of Soil & Water Conservation to host a Storm Water Management Field Day for members of the development community and erosion and sediment control inspectors in SW Ohio. The Field Day was held on September 27 and was a big success. A total of 112 attendees got to view demonstrations of five different BMPs in a field setting, heard a presentation from Justin Reinhart, Ohio EPA, about the new Construction General Permit and the runoff reduction method, a presentation on minimizing storm water runoff impacts through targeted flow thresholds, and a keynote presentation from Seth Brown, Director of Storm Water Programs for the Water Environment Federation.

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
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

Comments:

Storm Water Management 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 a Storm Water Management Field day for members of the development community and municipal storm water inspectors in SW Ohio.	September 2019
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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:

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:

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	Following the renewal of the Construction General Permit (CGP) in April 2018, Clermont County began the process of conducting another update. By the end of 2018, draft revisions that coincide with the CGP changes had been completed. In 2019, the Building Department will assemble a public advisory committee to review the draft changes. Once comments from the advisory committee have been addressed, a final draft will be published for public comment and two public hearings will be held before the Board of County Commissioners votes to adopt the changes.	The advisory committee is anticipated to start in April 2019. Adoption of the revised regulations are anticipated in September 2019.
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Comments:

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
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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's WMSC Regulations were last updated in November 2017. Following the renewal of the Construction General Permit (CGP) in April 2018, Clermont County began the process of conducting another update. By the end of 2018, draft revisions that coincide with the CGP changes had been completed. A public advisory committee will be assembled in 2019 to consider the draft, and upon completion of a final draft, the regulations will be released for public comment.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Structural and/or Non-Structural Standards Being Used	Effective
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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
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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
Site Plan Review Procedures	Clermont County Building Inspection Department, Milford	Established site plan review procedures for developments requiring post-construction BMPs	Yes	67	67	Yes

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 65 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 65 BMPs during the construction of new developments; 2 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 2018, all work was routine except for regrading the basin in Hunters Ridge Farms and cutting the cattails that were choking the natural flow.

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 Deercreek 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
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Enforcement Procedures	Clermont County Building Inspection Department, Milford	Establish enforcement procedures for ensuring post-construction BMPs are built according to specifications	Yes	2	0	Yes
Summary of Results or Activities: The Building Department noted 2 violations during inspections of the 65 BMPs constructed in 2017. 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 2018.						
Comments:						
Milford Tree Rebate Program	Milford	Manage program that offers rebates to residents for new tree plantings	Yes	# of trees planted	N/A	Yes
Summary of Activities or Updates: in 2017, 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 2018, Milford approved four of five applications, and issued \$915 in rebates.						
Comments: N/A						
Inspection of Private BMPs Having No Public Maintenance Agreements	Clermont SWCD	Inspect privately-owned BMPs in the Salt Run-East Fork LMR watershed	Yes	# of inspections of post-construction BMPs	N/A	Yes
Summary of Activities or Updates: In 2018, Clermont SWCD and OEQ initiated a program where it began to inspect privately-owned post-construction BMPs in an effort to ensure proper long-term operation and maintenance of these facilities. In the first year of this program, SWCD and OEQ personnel inspected 111 post-construction BMPs, primarily within the Salt Run-East Fork 12-digit HUC. While some minor issues were discovered, there were no major problems found that would prevent the BMPs from operating as intended.						
Comments:						
Retention Basin Maintenance Manual	Clermont SWCD	Develop/distribute 1 retention basin maintenance manual for private property owners	No	1 retention basin maintenance manual	N/A	Yes

Summary of Activities or Updates: Before 2017, Clermont SWCD had a simple, 2-page management guide for retention basins that it made available to owners/operators of private detention basins. In 2018, SWCD completed a final draft of a detailed, full color maintenance manual; however, final formatting work still needed to be completed by the end of 2018. This will be completed in 2019 and copies will be direct mailed to private owners.

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
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

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:

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 continue 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
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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	Following the renewal of the Construction General Permit (CGP) in April 2018, Clermont County began the process of conducting another update. By the end of 2018, draft revisions that coincide with the CGP changes had been completed. In 2019, the Building Department will assemble a public advisory committee to review the draft changes. Once comments from the advisory committee have been addressed, a final draft will be published for public comment and two public hearings will be held before the Board of County Commissioners votes to adopt the changes.	The advisory committee is anticipated to start in April 2019. Adoption of the revised regulations are anticipated in September 2019.
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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:

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 8	Clermont SWCD	Participate in an urban forestry webinar	Yes	Urban forestry	Clermont SWCD	1	Yes

Summary of Activity: The SWCD Administrator viewed a webinar on July 19 hosted by the Sustainable City Network entitled Community Canopy

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 2	Clermont SWCD, Regional Storm Water Collaborative	Host a Storm Water Management Field Day	Yes	Erosion & Sediment Control, Post Construction BMPs	Storm water inspectors, MS4s, Development community	3	Yes

Summary of Activity: Clermont SWCD helped the Regional Storm Water Collaborative plan and host the 2nd "Southwest Ohio and Northern Kentucky Storm Water Management Field Day" on September 27. The event included field demonstrations of various construction and post-construction BMPs and classroom presentations, including a talk on Ohio EPA's Construction General Permit and the runoff reduction method. 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 3	Clermont SWCD, Amelia Village, Batavia Twp, Batavia Village, Goshen Twp, Miami Twp, Milford, Monroe Twp, Owensville, Pierce Twp, Stonelick Twp, Tate Twp, Union Twp, Williamsburg Twp	Host one local pollution prevention workshop	Yes	Permitting requirements for stream work, non-hazmat spill response, SWP3s	Clermont County MS4 Co-permittees	22	Yes

Summary of Activity: On November 29, Clermont SWCD hosted a pollution prevention training for the county co-permittees that included a presentation from Stantec Consulting on permitting requirements for conducting work in streams, a training video on non-hazmat spill response, and a review of stormwater pollution plans and responsibilities under the MS4 permit.

Comments: N/A

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 4	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 9-11, the Clermont SWCD Administrator attended the 11th 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 5	Clermont SWCD, Monroe Township	1 MS4 training session for new Monroe Township employees	Yes	MS4 Permit Requirements, Reporting, Pollution Prevention	Monroe Township Trustees and Service Department	3	Yes
Summary of Activity: On February 16, the SWCD Administrator met with a Monroe Twp Trustee and two staff from the township's service department, including the director, to review the MS4 permit, the County's Storm Water Management Plan, and Monroe Township's responsibilities under both, with a focus on pollution prevention.							
Comments: N/A							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 6	Clermont OEQ	Attend Ohio Storm Water Regulatory Updates Workshop	Yes	Ohio storm water regulations	Clermont OEQ	1	Yes
Summary of Activity: Bill Mellman, OEQ Project Manager, attended an April 26 workshop on Ohio storm water regulatory updates, hosted by the Ohio Storm Water Association							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 9	Clermont SWCD	Attend 1 workshop on post-construction inspection and maintenance	Yes	Post-construction inspection and maintenance	Clermont SWCD, OEQ	2	Yes
Summary of Activity: One employee from both Clermont SWCD and Clermont OEQ attended the August 2 workshop on "Post-Construction Inspection and Maintenance" hosted by the Ohio Storm Water Association.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 1	Clermont SWCD	Attend OKI Regional Conservation Council Annual Workshop	Yes	Wetland mitigation, climate change, forestry, funding/grants	SWCD, OEQ, Park District, County Commissioners	6	Yes
Summary of Activity: Employees from Clermont SWCD (2), OEQ (1), Park District (2) and a Clermont County Commissioner attended OKI Regional Conservation Council's annual workshop on April 17. The workshop included presentations on wetland mitigation banks, storm water management in the face of climate change, forestry management and funding opportunities.							
Comments: N/A							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 7	Clermont SWCD	Attend a stream restoration field day	Yes	Stream restoration	Clermont SWCD, Water Resources Department, Batavia Village, Miami Township, Milford, Pierce Township	7	Yes

Summary of Activity: Personnel from the organizations listed above attended a field day to view the recently completed restoration project on a tributary to O'Bannon Creek. The tour was led by the project's design engineer (Stantec).

Comments:					
BMP (mechanism)	List of Municipal Facilities Subject to Program		O&M Procedures Developed?	# of Inspections Performed	Frequency of Inspections
Municipal Facilities	Facilities include 1,064 miles of county, township and municipal roads and associated storm sewers and roadside ditches, service department facilities for each of the 16 co-permittees, 33 parks and 44 cemeteries		Yes	13036	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	10270 Tons	Three co-permittees (County Engineer, Miami and Union) also used 45,580 gallons of brine, and Miami Twp used an additional 2,100 gallons of Ice B'Gone Magic (magnesium chloride + biodegradable agricultural byproduct). 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	2786 Gallons	Note that some co-permittees track usage of undiluted pesticides while others report the mixed amount. Measures to minimize usage varies. Nine 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	16882 Pounds	In addition to the amount of pounds reported above, Miami Twp reported using XX,XXX gallons of liquid fertilizer. Most co-permittees do not use any fertilizers - nine applied none in 2018. 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	28 cubic yards. Only the City of Milford and Batavia Village own and operate street sweepers. 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 2018	
BMP (mechanism)	Summary	
Industrial Pollution Prevention Training	<p>On December 5, Clermont SWCD hosted a pollution prevention training session for all industries in the county that hold an Industrial Storm Water General Permit. Presentations were given on industrial storm water permit requirements, developing a storm water pollution prevention plan, industrial general permit monitoring requirements, and detention basin maintenance. 13 people attended the workshop, including representatives from 11 of the 19 permitted industries in the county.</p> <p>In June 2018, Clermont County Water Resources Department mailed a brochure developed by Clermont SWCD titled "Stormwater Pollution Control for Industrial Facilities," along with industrial waste pre-treatment surveys, to 238 industries in Clermont County.</p>	

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
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.	July 2019

Comments: N/A

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.
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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
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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
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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				
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 OKI Regional Conservation Council's annual meeting, the Ohio Storm Water Conference, Regional Storm Water Collaborative's Runoff Reduction Owrkshop and Storm Water Management Field Day, and the annual training session hosted by Clermont SWCD for all permit partners.	OKI-RCC Annual Meeting - April 2019, Ohio Storm Water Conference - May 2019; Runoff Reduction Workshop - June 2019, Clermont SWCD Training Seminar - July 2019, Storm Water Management Field Day - September 2019
Comments: N/A				
PROPOSED CHANGES TO YOUR SWMP (IF ANY)				
<i>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.</i>				
Clermont County will begin the process of updating its 2016 Storm Water Management Plan following the renewal of the MS4 permit (expected in September 2019).				
VARIANCES GRANTED (IF ANY)				
<i>Identify and summarize any variances granted under your storm water program.</i>				
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.

Additional Information attachment(s): 2018 Individual P2 Reports.pdf