



**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**

|   |  |   |                        |
|---|--|---|------------------------|
| <b>Small MS4 Annual Report for Year:</b> 2020         |  | <b>Ohio EPA Facility Permit Number:</b> 1GQ10002*CG |                        |
| <b>Name of MS4:</b> Clermont County & Others          |  |   |                        |
| <b>Mailing Address:</b> 101 E Main St                 |  |   |                        |
| <b>City:</b> Batavia                                  |  | <b>State:</b> OH                                    | <b>Zip Code:</b> 45103 |
| <b>Country:</b> USA                                   |  | <b>County:</b> Clermont                             |                        |
| <b>Primary Contact:</b> John McManus                  |  | <b>Title:</b> Administrator                         |                        |
| <b>Email Address:</b> jmcmanus@clermontcountyohio.gov |  | <b>Phone:</b> (513) 732-7075                        | <b>Fax:</b>            |

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

**Upload File Name for Table of Organization:** OrgChart.docx

**Certification**

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

|  |  |
|--|--|
| <b>Applicant Name:</b><br>John McManus                   | <b>Title:</b><br>Program Manager                       |
| <b>Signature:</b><br>Electronically submitted by mcmanus | <b>Date:</b><br>Electronically submitted on 03/29/2021 |

**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 |
|---------------------|---|--|---|--|-------------------|-----------|
| Newsletter Articles | Clermont SWCD, Clermont County Office of Public Information; Batavia Village, Miami Twp, Milford, Ohio Twp, Union Twp, Williamsburg V | Minimum 4 storm water-related articles per year in county newsletter; 1 per year for partners with newsletters | Present timely information on storm water-related news and events | Those living and doing business within Clermont County | 100               | Yes       |

Summary of Results: Clermont SWCD - 12 articles: Call for Volunteer Stream Monitors (Spring), Rain Barrel and Conservation Plant Sale (Spring), Illicit Discharge article ("Storm Sewers Flow to the River") (Spring), Spring Litter Cleanup Call for Volunteers (Spring), Pond/Retention Basin Management Clinic (Spring); "Summer" Litter Clean-up (Summer), Ohio River Sweep Call for Volunteers (Summer), New Storm Water Guide for Property Owners (Summer), Ohio River Mini-Sweep (Fall), Williamsburg Nutrient Removal Wetland (Winter), 2021 Spring Litter Cleanup Update (Winter), Rain Barrel Art Call for Designs (Winter). 452 printed newsletters, 1,538 electronic editions (702 opened, open rate of 45.7%), 196 web site views.

Clermont County - Spring Litter Cleanup Logo Design Contest, Ohio River Sweep Re-Scheduled (June), DIY Summer Litter Cleanup (July), Williamsburg Nutrient Removal Wetland (August). Est 1100 per newsletter

Goshen Township - "Be the Change for Clean Water" SWCD article (10/16), Storm Water Awareness Week SWCD article (10/21). Est. 1000 people reached per article.

Miami Township - Articles on Spring Litter Cleanup and April Cleanup Days (Spring), re-scheduled "Summer" Litter Cleanup (Summer), household hazardous waste disposal and September Cleanup Days (Fall) - 14,700 newsletters + web site

Pierce Township - Information on plans for new Learning Center with an outdoor classroom at a township park. Reached est. 3000 residents

Union Township - Why Build a Rain Garden? (Spring), Fall Junk Collection Days (Fall) - 500 printed + web site

Comments:

|  |               |  |                                      |                     |   |    |
|--|---------------|--|--------------------------------------|---------------------|---|----|
| Pond / Retention Basin Management Clinic | Clermont SWCD | 1 press release, 1 pond clinic, 50 attendees | Pond and retention basin maintenance | Pond / basin owners | 0 | No |
|--|---------------|--|--------------------------------------|---------------------|---|----|

Summary of Results: 1 press release advertising the clinic was distributed on March 10, which resulted in an article in the Clermont Sun. Unfortunately, Clermont SWCD was forced to initially postpone and then ultimately cancel the event due to the COVID-19 pandemic.

Comments:

|                |               |   |  |                      |    |     |
|----------------|---------------|---|--|----------------------|----|-----|
| Urban Forestry | Clermont SWCD | Host one urban forestry workshop for Clermont County MS4s | Urban forestry: tree inventories, urban tree canopy analyses, and urban forestry plans | Clermont County MS4s | 53 | Yes |
|----------------|---------------|---|--|----------------------|----|-----|

Summary of Results: On November 12, Clermont SWCD hosted an urban forestry webinar for county MS4s. Representatives from Davey Resources presented information on tree inventories, urban tree canopy assessments, tree benefit analyses and urban forestry plan development. 10 people attended from 8 MS4s (Clermont County, Batavia Twp, Batavia Village, Goshen Twp, Pierce Twp, Tate Twp, Union Twp and Williamsburg Twp).

Comments:

|   |   |   |                                       |                                 |    |     |
|---|---|---|---------------------------------------|---------------------------------|----|-----|
| Rain Garden / Rain Barrel Education Program | Clermont SWCD, Regional Storm Water Collaborative | Conduct 1 public workshop; sell 10 rain barrels; 1 rain barrel art event, maintain rain garden web site | Rain garden and rain barrel education | Clermont County property owners | 70 | Yes |
|---|---|---|---------------------------------------|---------------------------------|----|-----|

Summary of Results: The public workshop was not held due to the COVID-19 pandemic.

7 rain barrels sold as part of 2020 conservation plant sale and single sales throughout the year

Rain Barrel Art event - 147 individuals, 6 business groups, 10 non-business groups and 88 schools, colleges and universities submitted artwork to participate in the 2020 project. 40 designs were selected and 38 rain barrels were painted by local artists. The 38 painted barrels were intended to be displayed at the Cincinnati Zoo through the month of April and auctioned during the Party for the Planet; however, the Zoo was closed in April due to the pandemic and the auction was postponed until July, where it was held as an on-line event only.

The Rain Garden Central web site was maintained at [www.clermontswcd.org/rain-gardens-barrels/](http://www.clermontswcd.org/rain-gardens-barrels/). There were 1,169 Page Views for all rain garden/rain barrel pages.

Comments: N/A

|  |   |                                |                                    |   |    |     |
|--|---|--------------------------------|------------------------------------|---|----|-----|
| 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 |
|--|---|--------------------------------|------------------------------------|---|----|-----|

Summary of Results: Clermont SWCD had 30 Facebook posts and 25 Twitter tweets related to storm water management; topics included news on rain barrels, basin management, nutrient runoff and harmful algal blooms, fertilizer and pesticide applications, replacing turf grass with natives, riparian tree plantings/stream buffers, headwater streams, wetlands, volunteer litter cleanups, proper waste disposal, and pet waste. Facebook posts had a total reach of 4,568 and 381 engaged users, plus an boosted event post for the Summer Litter Cleanup that had 66 responses and reached 15,000 users. Twitter had 392 total engagements and 11,658 impressions. Facebook page followers increased by 87 to 735, and page likes increased by 85 to a total of 727. Twitter followers increased by 20 to a total of 516. The Regional Storm Water Collaborative's Facebook page (SaveLocalWaters) has 1,386 likes, 40,092 users and 61,220 impressions.

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 January 14, which was attended by 11 people. 6,597 information cards were sent to HSTS owners.

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

Comments:

|  |               |                                 |   |                      |     |     |
|--|---------------|---------------------------------|---|----------------------|-----|-----|
| Storm Water Education Programs for Clermont K-12 School Children | Clermont SWCD | 50 Storm Water Related Programs | Teach impacts of land use and storm water runoff on water quality and stream biota. | K-12 School Children | 100 | Yes |
|--|---------------|---------------------------------|---|----------------------|-----|-----|

Summary of Results: 55 total programs conducted reaching an estimated 1,560 school children. Programs and number of program presentations include: EnviroScape (2), Animal Tracks (24), Fred the Fish (4), Incredible Journey (2), Soil & Erosion (1), and Adaptation Artistry (22). Programs were conducted in school districts serving the followings MS4s: Batavia Township/Village, Goshen Twp, Milford, Miami Twp, Ohio Twp, Pierce Twp and Union Twp. Programs were scheduled for the all other MS4s except Tate Twp and Williamsburg Village/Twp but cancelled when the pandemic struck.

Comments: In-school programs were discontinued in mid-March due to the COVID-19 pandemic. Clermont SWCD hired a new education coordinator in May. Efforts from May through Dec focused on developing curriculum for new programs, and the SW Ohio Ed Resources website, where SWCD educators from Clermont, Butler, Hamilton & Warren SWCDs post virtual programs for use by area teachers.

|  |  |  |  |   |     |     |
|--|--|--|--|---|-----|-----|
| 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. Create new website with virtual education programs for teachers. | Storm water educational materials for a variety of topics at <a href="http://www.clermontswcd.org">www.clermontswcd.org</a> , <a href="http://www.oeq.net">www.oeq.net</a> and <a href="http://www.savelocalwaters.org">www.savelocalwaters.org</a> . New teacher website created at <a href="https://sites.google.com/view/swohioedresources">https://sites.google.com/view/swohioedresources</a> . | Those living and doing business in Clermont County; educators | 100 | Yes |
| <p>Summary of Results: Working with educators from Butler, Hamilton and Warren SWCDs and in response to the COVID-19 pandemic, the Clermont SWCD Education Coordinator helped create a new website where teachers can download education programs on a wide variety of topics, including those related to watersheds, water quality and storm water management. The site can be viewed at <a href="https://sites.google.com/view/swohioedresources">https://sites.google.com/view/swohioedresources</a> (registration is required). In 2020, 167 unique participants requested access, and 125 unique participants did access the site, including 24 individuals from Clermont County. There were a total of 270 page views.</p> <p><a href="http://www.oeq.net">www.oeq.net</a>: 1Q - 1,686 users, 3,296 page views; 2Q - 2,090 users, 3,925 page views; 3Q - 2,089 users, 3,987 page views; 4Q - 2,387 users, 4,150 page views; 2020 totals - 8,252 users, 15,358 page views</p> <p><a href="http://www.clermontswcd.org">www.clermontswcd.org</a>: 1Q - 2,472 users, 5,813 page views; 2Q - 2,722 users, 6,108 page views; 3Q - 2,664 users, 5,467 page views, 4Q - 3,759 users, 5,902 page views; 2020 totals - 11,617 users; 23,290 page views</p> <p>Comments: N/A</p> |  |  |  |   |     |     |
| Storm Water Pollution Prevention Plan Workshop   | Regional Storm Water Collaborative, Clermont SWCD                                  | 1 Runoff Reduction Workshop  | Developing an effective and approvable storm water pollution prevention plan.  | Storm water engineers, development community, MS4s            | 100 | Yes |
| <p>Summary of Results: On July 16, the Regional Storm Water Collaborative, of which Clermont SWCD is an active member, hosted a webinar titled "Developing an Effective and Approvable SWPPP" for which 162 people registered. The webinar was led by Justin Reinhart and Wesley Sluga with Ohio EPA.</p> <p>Comments:</p>   |  |  |  |   |     |     |
| Watershed Education  | Clermont SWCD  | Give one presentation on watershed management to class of Ohio Certified Volunteer Naturalists   | Basics of watershed functions and management strategies  | Ohio Certified Volunteer Naturalists                          | 100 | Yes |
| <p>Summary of Results: In 2020, the Clermont SWCD Education Coordinator presented information on watershed functions and management strategies to two separate Ohio Certified Volunteer Naturalist classes, on July 28 to 58 students and on October 15 to 51 students.</p> <p>Comments:</p>   |  |  |  |   |     |     |
| HOA Webinar Series   | Regional Storm Water Collaborative, Clermont SWCD                                  | 4 webinars directed at members of homeowner associations   | Storm water basin maintenance and retrofits, rain gardens and native landscaping, rain barrels and composting, alternative energy sources  | Homeowner Association members                                 | 100 | Yes |
| <p>Summary of Results: In place of the annual Storm Water Management Field Day which was cancelled due to the COVID-19 pandemic, the Regional Storm Water Collaborative (including Clermont SWCD) hosted a series of training webinars for members of homeowner associations. Webinar 1 - Storm Water Basin Maintenance &amp; retrofits, Nov 10 (25 attendees); Webinar 2 - Composting &amp; Rain Barrels, Nov 17 (22 attendees); Solar &amp; Geothermal Energy, Dec 1 (17 attendees), Rain Gardens and Sustainable Landscaping, Dec 8 (19 attendees). Recordings of all sessions except the Solar &amp; Geothermal Energy webinar can be found at <a href="https://www.savelocalwaters.org/hoa.html">https://www.savelocalwaters.org/hoa.html</a>.</p> <p>Comments:</p>   |  |  |  |   |     |     |

**PUBLIC EDUCATION & OUTREACH**

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

| BMP (mechanism)  | Responsible Party | Measurable Goal  | Theme or Message  | Target Audience                      | % Target Audience | Proposed Schedule  |
|--|-------------------|--|---|--------------------------------------|-------------------|--|
| Storm Water Education Programs for Clermont K-12 School Children | Clermont SWCD     | Develop new strategic plan for urban storm water education program | Teach impacts of land use and storm water runoff on water quality and stream biota. | K-12 School Children, General Public | 100               | Strategic Plan to be completed and included in the SWMP within 180 days of the effective date of the revised MS4 permit. |

Summary of Planned Activities: Some of the past in-school programs conducted by Clermont SWCD have been shown to be ineffective in terms of achieving changes in behavior as it relates to adopting different conservation practices. In addition, the COVID pandemic has had a tremendous impact on the school programs. As of March 2021, we are still not able to give in-school programs. In Spring 2020, Clermont SWCD hired a new Education Coordinator who is leading the development of a strategic plan for conducting urban storm water education programs that will result in greater behavior changes. Components of the strategic plan will be incorporated in the revised Storm Water Management Plan.

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 2021 |
|---------------|------------------------------|---------------------------|---|---------------------------|-----|---------------------|

Summary of Planned Activities: One educational canoe float on the East Fork Little Miami River will be held during the Great Outdoor Weekend (pandemic dependent).

Comments: N/A

|   |   |   |                                       |                                 |     |   |
|---|---|---|---------------------------------------|---------------------------------|-----|---|
| Rain Garden / Rain Barrel Education Program | Clermont SWCD, Regional Storm Water Collaborative | Develop 1 video, sell 10 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<br>December - Rain garden video<br>Year-round - maintenance of demonstration rain gardens, rain barrel sales, maintenance of web site |
|---|---|---|---------------------------------------|---------------------------------|-----|---|

Summary of Planned Activities: Develop one rain garden video; sell 10 rain barrels; annual rain barrel art event with Regional Storm Water Collaborative (dependent upon pandemic status), maintain rain garden web site at <http://www.clermontswcd.org/rain-gardens-barrels/>

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

|                  |   |  |                           |   |     |            |
|------------------|---|--|---------------------------|---|-----|------------|
| Concrete Washout | Clermont SWCD, Regional Storm Water Collaborative | Conduct one training session for concrete professionals regarding acceptable practices for handling concrete washout | Concrete washout disposal | Contractors and concrete professionals in the greater Cincinnati area | 100 | April 2021 |
|------------------|---|--|---------------------------|---|-----|------------|

Summary of Planned Activities: The Regional Storm Water Collaborative will organize a training webinar in the early spring of 2021 for contractors and concrete professionals regarding best management practices for dealing with concrete washout at both small and large job sites.

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 2020 |
|---|---------------|---|----------------------------------|-------------------------------------|-----|----------------|

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

|                               |                             |   |                                    |   |     |   |
|-------------------------------|-----------------------------|---|------------------------------------|---|-----|---|
| 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 |
|-------------------------------|-----------------------------|---|------------------------------------|---|-----|---|

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

|                                  |                                    |                                    |   |  |     |              |
|----------------------------------|------------------------------------|------------------------------------|---|--|-----|--------------|
| 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 | October 2020 |
|----------------------------------|------------------------------------|------------------------------------|---|--|-----|--------------|

Summary of Planned Activities: As of the time of this report, the Regional Storm Water Collaborative is planning to host an Erosion & Sediment Control Field day for members of the development community and municipal storm water inspectors in SW Ohio in the fall. It is possible that the COVID pandemic may preclude the possibility of hosting the field day.

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 | September 2021 |
|--|---------------|--|--------------------------------------|---------------------|-----|----------------|

Summary of Planned Activities: At the time of this report, Clermont SWCD anticipated holding the annual Pond Management Clinic will be in fall 2021, depending upon the status of the pandemic. If SWCD is unable to hold the event, it will develop educational videos related to pond and retention basin management.

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 | 30                              | Yes       |

Summary of Results: Four meetings were held in 2019 (Feb 27, May 21, Aug 20 and Nov 19), with the last three being virtual meetings due to the pandemic. 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. In 2020, Clermont SWCD received grant funds from several different sources to construct a nutrient removal wetland treatment system at the site of the old Williamsburg reservoir. The project was in the design phase as of the end of 2020. The EFWCoop also 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:

|  |  |  |  |   |      |     |
|--|--|--|--|---|------|-----|
| 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 | 100  | Yes |
| <p>Summary of Results: 39 K-12 students participated in a logo design contest for the Spring Litter Cleanup. The winning logo, designed by a student from Ne Richmond HS, was printed on reusable water bottled which were given to event volunteers.</p> <p>Because of the pandemic, the annual Spring Litter Cleanup in April was cancelled, and the event was changed to a Do-it-Yourself event, where volunteers could choose a location of their own to clean-up between July 4 and 25. Clean-up supplies were provided upon request, as were the water bottles with the event logo. Volunteers were asked to report the amount of litter collected and to submit photos of their cleanup. Over 100 people registered for the DIY event. Estimates on the amount of waste collected are not available; however, volunteers focused on parks, streams and open space near their homes. A few kayakers volunteered at East Fork Lake for two consecutive weekends. Clermont SWCD and OEQ staff also cleaned a section of bank along the lake.</p> |  |  |  |   |      |     |
| 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 |
| <p>Summary of Results: Fleet maintenance collected 500 gallons of used motor oil and 230 gallons of antifreeze from 210 residents.</p>   |  |  |  |   |      |     |
| Comments:  |  |  |  |   |      |     |
| Conservation Plant and Rain Barrel Sale  | Clermont SWCD  | Hold one conservation plant and rain barrel sale   | Stream bank stabilization, benefits of native plants, rain barrels   | Those living and working in Clermont County               | 127  | Yes |
| <p>Summary of Results: Each year, Clermont SWCD hosts a conservation plant sale, where people can buy tree seedlings and native perennials as well as rain barrels for small areas of reforestation, streambank protection/stabilization, and for creating native plant areas that help improve infiltration and reduce the area of turf grass in addition to benefits for pollinator species. Clermont SWCD was able to successfully hold the plant sale despite the pandemic. A total of 127 customers purchased 1,881 plants and 5 rain barrels.</p>  |  |  |  |   |      |     |
| Comments:  |  |  |  |   |      |     |
| Municipal/Township Clean-up Days   | 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   | 3000 | Yes |



Summary of Results: Batavia Twp/Village - Batavia Township entered into a new contract with Republic Services that provides year-round curbside pickup of large items and other items typically accepted at Clean-up Days. As a result, the Township has discontinued Clean-up Days.

Goshen Twp - Due to the COVID-19 pandemic, Clean-up Days in 2020 were cancelled.

Miami Township - None held in 2020 due to COVID-19 pandemic.

Stonelick Twp/Owensville - Held on September 11 and 12. 71 tons of material were collected from 449 residents.

Union Township - In 2020, Junk Days were held October 19th - 24th. Items included 116 refrigerators, with 16 garbage trucks and 38 30-yard dumpsters filled with furniture, clothes, bicycles, electronic equipment, and lawn equipment. Spring Junk Days were cancelled due to the pandemic.

Tate Twp - Cleanup Days held on June 12-13. Collected 100.56 tons of waste using 4 30-cubic yd roll-off dumpsters and 12 compactor trucks. Also collected 179 tires. Number of participants unknown.

Williamsburg Twp/Village - Held on June 11-13. Collected approximately 50 tons of material. An estimated 300 people participated.

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 |
|--------------------------------------|-----------------|---|--|----------------------------|----|-----|

Summary of Results: 23 people participated in 12 monthly meetings during 2020. In 2020, Pierce Township gained 29.79 acres of greenspace, with 209.79 acres now preserved. Pierce Township gained two parks (Groh Park and Shank Park) from Amelia when the village dissolved at the end of 2019. In 2020, the committee oversaw the completion of an outdoor learning center at one the Locust Corner Park. The Committee has also started a tree initiative, where they are exploring the creation of an arboretum and a tree donation program.

Comments:

|  |               |  |   |   |   |    |
|--|---------------|--|---|---|---|----|
| Glady Creek and Solomon Run NPS-IS Plans | Clermont SWCD | Public comment period for 2 draft NPS-IS plans | Update of Lower East Fork Watershed Action Plan | Residents/those doing business in Lower East Fork watershed | 0 | No |
|--|---------------|--|---|---|---|----|

Summary of Results: On October 2, Clermont SWCD distributed a press release and posted on the county's web site that announced the opening of the public comment period for the Glady Creek and Solomon Run draft Watershed Action Plans. The press release resulted in an article in the Clermont Sun. The public comment period lasted through October 31, 2020. Unfortunately, no comments were received.

Comments:

|                  |   |  |  |   |   |    |
|------------------|---|--|--|---|---|----|
| Ohio River Sweep | Clermont OEQ, Clermont County Park District | Annual clean-up of Ohio River shores on the 3rd Saturday in June | Litter prevention, reduction of solids and floatables, general awareness of Ohio River as a natural resource | Residents and those doing business within Clermont County | 0 | No |
|------------------|---|--|--|---|---|----|

Summary of Results: The annual Ohio River Sweep was cancelled due to the COVID-19 epidemic.

Comments:

|                       |                                    |   |  |  |     |     |
|-----------------------|------------------------------------|---|--|--|-----|-----|
| Rain Barrel Art Event | Regional Storm Water Collaborative | Once annually, offer 40 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo | Promote the use of rain barrels throughout the Ohio River Valley through a creative and educational medium | Greater Cincinnati artists of all levels | 251 | Yes |
|-----------------------|------------------------------------|---|--|--|-----|-----|

Summary of Results: 147 individuals, 6 business groups, 10 non-business groups and 88 schools, colleges and universities submitted artwork to participate in the 2020 project. 40 designs were selected and 38 rain barrels were painted by local artists. Results from the display/auction at the Cincinnati Zoo are presented under the Public Education section of this report.

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 | 100 | Yes |
|---|--------------|--|--|---------------------------|-----|-----|

Summary of Results: Est. 2.3 oz. of mercury collected by OEQ from 4 people and given to Environmental Enterprises for proper disposal; 114 vouchers for disposal of various household hazardous waste items at Environmental Enterprises in Cincinnati.

Comments:

## PUBLIC INVOLVEMENT AND PARTICIPATION

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

| BMP (mechanism)                            | Responsible Party                 | Measurable Goal   | Theme or Message   | Target Audience           | Estimate of People to Participate | Proposed Schedule |
|--|-----------------------------------|---|--|---------------------------|-----------------------------------|-------------------|
| Antifreeze and Motor Oil Recycling Program | Clermont County Fleet Maintenance | Availability of year round disposal and recycling opportunities for automotive fluids | Proper disposal of automotive fluids, prevention of illicit discharges/illegal dumping | Clermont County residents | 50                                | Year round        |

Summary of Planned Activities: Clermont County Fleet Maintenance will continue to accept used motor oil, antifreeze, other automotive fluids and used cooking oil from Clermont County residents. Antifreeze will be recycled and oil collected will be used in the oil burning furnace to heat the fleet garage.

Comments:

|                                  |  |   |  |   |      |  |
|----------------------------------|--|---|--|---|------|--|
| Municipal/Township Clean-up Days | 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. These events will be dependent upon the status of the COVID pandemic in 2021. | Prevention of illegal dumping/illicit discharges | Residents of participating municipalities and townships | 3000 | Schedules vary by community, but generally range from May through September. |
|----------------------------------|--|---|--|---|------|--|

Summary of Planned Activities: Several townships and villages will host Junk Days or Cleanup Days for their residents, which offers them a no cost opportunity to properly dispose of hard-to-get-rid-of items. These collection days help to reduce illegal dumping and illicit discharges.

Comments:

|  |  |   |  |   |      |  |
|--|--|---|--|---|------|--|
| 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. The committee is exploring the creation of an arboretum and a tree donation program in 2021.   |  |   |  |   |      |  |
| Comments:  |  |   |  |   |      |  |
| Rain Barrel Art Event  | Regional Storm Water Collaborative   | Once annually, offer 40 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo | Promote the use of rain barrels throughout the Ohio River Valley through a creative and educational medium   | Greater Cincinnati artists of all levels  | 125  | January through April 2020   |
| Summary of Planned Activities: Area artists of all ages and skill levels will be invited to submit designs for the 8th 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 will be sold via an online auction toward the end of the month. |  |   |  |   |      |  |
| 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.                       |
| Summary of Planned Activities: Four quarterly meetings of the Cooperative, year round implementation of monitoring and modeling efforts.   |  |   |  |   |      |  |
| 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 - June-July, 2021<br>Ohio River Sweep - Spring to Fall, 2021 |

Summary of Planned Activities: In 2021, the annual Spring Litter Cleanup will again be a do-it-yourself event due to the COVID pandemic. Clermont SWCD, OEQ and its partners will provide bags and gloves to volunteers as needed, and ask them to report numbers and send photos of their individual cleanups. 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.

In 2021, ORSANCO will promote and support "Mini-Sweeps" instead of its annual river-wide event on the 3rd Saturday in June. The Mini Sweeps provide opportunities for small groups of 10 people or fewer to choose the date and location of their own Mini-Sweep. Clermont SWCD, OEQ and the County Park District will promote Ohio River Mini-Sweeps, with a goal of having at least five such events along the Clermont County stretch of the Ohio River.

Comments:

**ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE)**

| BMP (mechanism)                         | Responsible Party | Measurable Goal                       | Completed | Cite Local Code(s) Being Used (If available, web link for code(s))   | Effective |
|---|-------------------|---------------------------------------|-----------|--|-----------|
| Ordinance or Other Regulatory Mechanism | Clermont SWCD     | Enforce illicit discharge regulations | Yes       | Section 8 of Clermont County Water Management & Sediment Control Regulations,<br><a href="http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/">http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/</a> | 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 2020.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |
|-----------------|-------------------|-----------------|-----------|----------------------------------|-----------|
|-----------------|-------------------|-----------------|-----------|----------------------------------|-----------|

|                        |               |   |     |   |     |
|------------------------|---------------|---|-----|---|-----|
| Storm Sewer System Map | Clermont SWCD | Develop and maintain comprehensive map of storm water conveyance system serving Clermont County | Yes | A GIS geodatabase has been completed for the entire county (both urban and rural areas) 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). Updates to the database were made throughout 2020 as system upgrades were made and new systems installed. As of the end of 2020, the MS4 (both public and private, countywide) had 32,805 segments of pipe (530.4), along with 24,521 catch basins, 2,654 inlets (excluding simple culverts), 5,523 outfalls (1,327 public outfalls, 4,196 private), 6,098 culverts, 5,191 manholes, and 938 BMPs. Data and metadata for the Clermont County Storm Water Inventory, water bodies, and watersheds can be downloaded at <a href="http://www.clermontswcd.org/storm-sewer-inventory-data-and-metadata/">http://www.clermontswcd.org/storm-sewer-inventory-data-and-metadata/</a> | Yes |
|------------------------|---------------|---|-----|---|-----|

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 21,979 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 - | 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 list of both public and private outfalls that have been determined to have a high potential for illicit discharges which are screened 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        | 1327                | 416                    | 13                                | 8                                  | 8                                  | Yes       |

Comments: In 2020, Clermont SWCD staff screened 416 outfalls and high risk locations, including 186 industrial sites, 175 storm water basin outlets, 45 locations on the county's annual inspection list, and 10 as the result of resident complaints. During these inspections, SWCD identified 13 incidents of spills or dry weather flow. Of these, eight were determined to be illicit discharges, each of which was eliminated in 2020, also one incident (concrete slurry runoff at IMI facility in Monroe Township) remains open for continued inspections. A report documenting the investigations and actions taken for each complaint is attached.

Upload File Name for the Illicit Discharges: DryWeatherOverflow\_Clermont2020Investigations.pdf

| BMP (mechanism)                                       | Responsible Party             | Measurable Goal   | Completed | Summary of Planned Activities  | Comments | Effective |
|---|-------------------------------|---|-----------|--|----------|-----------|
| Sewage Nuisance Abatement Remediation Program (SNARP) | Clermont County Public Health | Track # of people enrolled in SNARP, including those moving toward full system replacement. | Yes       | The SNARP program provides homeowners with an opportunity to gradually make improvements to their system and possibly avoid or delay a full replacement of the septic system, as long as the plan abates the sewage nuisance. For details on SNARP, visit <a href="https://ccphohio.org/septic-systems/snarp/">https://ccphohio.org/septic-systems/snarp/</a> . In 2020, the Health District received 30 separate SNARP applications. A total of 24 SNARP projects were completed. |          | Yes       |

|  |                               |   |     |   |  |     |
|--|-------------------------------|---|-----|---|--|-----|
| Stream Monitoring and Sampling Program | Clermont OEQ, Clermont SWCD   | Conduct annual stream monitoring and sampling program   | Yes | <p>The 2020 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. Seven 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 &amp; Development and U.S. Army Corps of Engineers as part of the joint program being conducted by the East Fork Watershed Cooperative. Clermont County is a Level 3 Quality Data Collector. All data collected are being submitted to Ohio EPA through its Volunteer Monitoring Program.</p> |  | Yes |
| HSTS Inspections                       | Clermont County Public Health | Inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months. | Yes | <p>Clermont County Public Health inspected 6,597 home sewage treatment systems throughout Clermont County in 2019. Inspection results for all HSTSs are now available on line. Anyone interested in viewing an inspection report for a particular system can visit <a href="https://ccphohio.org/septic-system-operation-permits/septic-system-search/">https://ccphohio.org/septic-system-operation-permits/septic-system-search/</a> and enter the address of the property.</p>   |  | Yes |



|   |                               |   |     |   |     |
|---|-------------------------------|---|-----|---|-----|
| Septic System Rehabilitation - Community Development Block Grant (CDBG) Program | Clermont County Public Health | Track # of CDBG applications for septic system rehabilitation and number of rehabilitation projects completed | Yes | This program utilizes CDBG funds to assist homeowners with repairs on malfunctioning septic systems and to replace systems that are beyond repair. The program can also assist homeowners in connecting to accessible public sewer systems. Each qualifying homeowner can receive up to \$14,000 toward the cost of HSTS repair or replacement, or toward connecting to public sewer. In 2020, 31 CDBG applications were received and 9 systems were either replaced or pending by the end of the year. | Yes |
|---|-------------------------------|---|-----|---|-----|

**ILLCIT DISCHARGE DETECTION & ELIMINATION (IDDE)**

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

| BMP (mechanism)                                       | Responsible Party             | Measurable Goal   | Summary of Planned Activities   | Proposed Schedule |
|---|-------------------------------|---|---|-------------------|
| 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 | Update maps within 6 months of new improvements | Clermont SWCD and OEQ will continue to maintain the existing GIS geodatabase of the separate storm sewer system throughout Clermont County. 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:

|                  |                               |   |  |            |
|------------------|-------------------------------|---|--|------------|
| 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 2020 monitoring program will be discussed and made in early 2021. | Sampling will be conducted year-round. |
|--------------------------------|-----------------------------|--|--|--|

Comments:

|                       |               |   |  |   |
|-----------------------|---------------|---|--|---|
| Dry Weather Screening | Clermont SWCD | Screen 20% of public outfalls, including all those on the hot list. | Clermont SWCD will continue to inspect public outfalls for signs of illicit discharge. In 2021, SWCD will develop a new watershed screening schedule to be included in the SWMP upon issuance of the MS4 permit renewal. | Screening efforts will take place year round during dry weather conditions. |
|-----------------------|---------------|---|--|---|

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, <a href="http://permit.clermontcountyohio.gov/WMSCRegulations.aspx">http://permit.clermontcountyohio.gov/WMSCRegulations.aspx</a> | 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 2020, draft revisions that coincide with the CGP changes had been completed. Clermont County is waiting for the issuance of the revised MS4 permit before proceeding with an update. Once the MS4 permit has been issued, The Building Department will assemble a public advisory committee 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, <a href="https://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/">https://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/</a> | 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       | 55                                    | 55                  | Yes       |

Summary of Results or Activities: Of the 54 complaints received, the Clermont County Building Department resolved 44 (81% of the complaints) as of the end of 2020. Milford received one complaint at 789 US 50 for conducting work/site clearing without a permit. The site owner was brought into compliance with plan submissions, review and subsequent approvals.

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       | 534                        | 534                 | Yes       |

Summary of Results or Activities: Clermont County conducted 529 plan reviews; Milford conducted 5 (Staybridge Hotel at 401 Chamber Drive, 302/304/306/308 High Street, Little Miami Event Center at 208 Mill Street, 841 Riverside Drive, and SEM Terrace at 5371 South Milford Road). Details of plan requirements are provided in WMSC Regulations. Specific review procedures are contained in the 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       | 1360                  | 4077                 | 0.25              | Yes       |

Summary of Results or Activities: Clermont County conducted 4,070 inspections at 1353 sites, while Milford conducted 7 inspections at 5 sites. The average number of inspections per site was 3.0. The average frequency listed above was calculated by dividing the average # of inspections per site by 12 months; however, the actual frequency is much higher, as not all sites were under construction for a full 12 months.

Comments:

Upload File Name(s) for Applicable Sites: WMSCInspectionActivity-2020.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       | 204                    | 1                        | 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 2020, the Clermont County Building Department issued 203 conditional occupancy certificates; 118 of these have been resolved. 1 stop work order was issued, and was still in effect at the end of 2020. Milford had 1 violation for work conducted without a permit; this was resolved.

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 cancelled the Storm Water Management Field Day, originally planned for late September, due to the COVID-19 pandemic. In its place, the Collaborative hosted a webinar for the development community titled "How to Develop an Effective and Approvable Storm Water Pollution Prevention Plan." Justin Reinhart and Wesley Sluga from Ohio EPA led the webinar, for which 162 people registered.

Comments:

## CONSTRUCTION SITE RUNOFF CONTROL

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

| BMP (mechanism)                                   | Responsible Party                                       | Measurable Goal                            | Summary of Planned Activities  | Proposed Schedule |
|---|---|--|--|-------------------|
| Respond to Erosion and Sediment Runoff Complaints | Clermont County Building Inspection Department, Milford | Achieve 50% resolution of valid complaints | The Building Department will continue to respond to complaints submitted by Clermont County residents, generally within 2 business days of receiving the complaint, and work to address an valid issues found during inspection. | Year-round        |

|  |   |  |   |  |           |
|--|---|--|---|--|-----------|
| Comments:  |   |  |   |  |           |
| 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   |           |
| 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   |           |
| Comments:  |   |  |   |  |           |
| Inspect Construction Sites Disturbing 1 Acre or More                                 | Clermont County Building Inspection Department, Milford       | Inspect installation of BMPs prior to construction, conditions of BMPs during construction, and conduct final inspection after construction to ensure site stabilization | Inspect installation of BMPs prior to construction, conditions of BMPs during construction, and conduct final inspection after construction to ensure site stabilization  | Year round   |           |
| 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 2019, draft revisions that coincide with the CGP changes had been completed. Following the issuance of the MS4 permit renewal, 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. | Adoption of the revised regulations within 180 days of the effective date of the MS4 permit renewal. |           |
| 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   | As of the time of this report, the Regional Storm Water Collaborative is planning to host an Erosion & Sediment Control Field day for members of the development community and municipal storm water inspectors in SW Ohio in the fall. It is possible that the COVID pandemic may preclude the possibility of hosting the field day.   | October 2021   |           |
| Comments:  |   |  |   |  |           |
| <b>POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT</b> |   |  |   |  |           |
| 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, <a href="http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/">http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/</a> | 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 2020, draft revisions that coincide with the CGP changes had been completed. Clermont County is waiting for the issuance of the revised MS4 permit before proceeding with an update. Once the MS4 permit has been issued, The Building Department will assemble a public advisory committee 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 |
|--------------------------------|--|---|-----------|--|-----------|
| Post-Construction Requirements | Clermont County Building Inspection Department | Established requirements for post-construction BMPs | Yes       | The County's WMSC regulations contain requirements for the following BMPs: infiltration basin, enhanced water quality swale, dry and wet extended detention basins, constructed wetlands, sand and other media filtration practices, bioretention cells, pocket wetlands and vegetated filter strips. The regulations encourage vegetative buffers of 25 feet. | Yes       |

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

Comments:

| BMP (mechanism)             | Responsible Party                                       | Measurable Goal   | Completed | # of Applicable Sites Requiring Plans | # of Plans Reviewed | Effective |
|-----------------------------|---|---|-----------|---------------------------------------|---------------------|-----------|
| Site Plan Review Procedures | Clermont County Building Inspection Department, Milford | Established site plan review procedures for developments requiring post-construction BMPs | Yes       | 48                                    | 48                  | 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 42 developments requiring post-construction BMPs. Milford reviewed 6 plans requiring BMPs, including plans for High Street Townhomes, Staybridge Hotel on Chamber Drive, Tru Hotel on Chamber Drive, plans for a regional detention basin serving a credit union and Taco Bell on Chamber Drive, the Little Miami Event Center on Mill Street, and a project at 845 Riverside.

Comments:

| BMP (mechanism)            | Responsible Party   | Measurable Goal   | Completed | # of Applicable Sites | # of Inspections Performed | Average Frequency | Effective |
|----------------------------|---|---|-----------|-----------------------|----------------------------|-------------------|-----------|
| Site Inspection Procedures | Clermont County Building Dept., Clermont County Engineer's Office, Clermont SWCD, Milford | Established inspection procedures for post-construction BMPs during construction and after completion of construction | Yes       | 314                   | 255                        | 0.08              | Yes       |

Summary of Results or Activities: The Building Department inspected 42 BMPs upon completion of construction of new developments; 4 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. The Engineer's Office also maintains for storm sewer infrastructure for four subdivisions that have created storm water management districts. This included 2 detention basins in Harvest Ridge and 3 basins (2 detention, 1 retention) in Prestwick Place). The Engineer's office does not maintain any BMPs in the other two districts (Orchard valley and Miami Trails). As of December 2020, the five district basins are still maintained by the developer until final inspections are completed and the bonds are released in 2021. Maintenance activities for all basins 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 2020, the Engineer's office placed rip rap at the outlet end of an 18-inch storm sewer pipe at 6600 Miami Trails Drive where there was an erosion issue. They also placed rip rap at the outlet end of a 24-inch storm sewer pipe at 5647 Harvest Ridge Drive to remedy an erosion issue. A 30-inch damaged storm pipe was replaced (approx. 20 feet) and rip rap grouted at 5631 Harvest Ridge Drive. Fiscus Construction was hired to muck out the detention basin and extend the 24-inch storm sewer pipe at the outlet structure at 965 Apple Blossom Lane in Harvest Ridge. All other maintenance work was routine.

Three storm water basins that were formerly maintained by the Village of Amelia (Shank Park, Deercreek Drive and Eastridge Lane) are now maintained by Pierce Township since the village dissolved at the end of 2019.

Under an agreement with the Board of County Commissioners, Clermont SWCD conducts post-construction inspections of all BMPs except those that are inspected and maintained by the County Engineer's office under the public watercourse or storm water district programs, and those within the City of Milford. Clermont SWCD has established an inspection schedule based on watersheds, with the intent of inspecting all BMPs at least once during a permit cycle. If issues are seen that need corrective action, SWCD sends a notice to the post-construction owner detailing the work that is needed. In 2020, SWCD staff inspected 175 BMPs

In Milford, 35 property owners receive utility fee credit for 60 post-construction BMPs, including 20 detention basins, 16 grass channel/filter strips, 9 water quality ponds, 5 dry wells, 2 infiltration basins and 8 forested buffer strips. Milford was only able to inspect one of these (Walmart detention basin) in 2020.

Comments:

| BMP (mechanism)        | Responsible Party                                       | Measurable Goal  | Completed | # of Violation Letters | # of Enforcement Actions | Effective |
|------------------------|---|--|-----------|------------------------|--------------------------|-----------|
| Enforcement Procedures | Clermont County Building Inspection Department, Milford | Establish enforcement procedures for ensuring post-construction BMPs are built according to specifications | Yes       | 18                     | 0                        | Yes       |

Summary of Results or Activities: The Building Department noted X violations during inspections of the XX BMPs constructed in 2020. All violations were corrected. Clermont SWCD inspected 175 privately owned BMPs in 2020, and sent 18 corrective action letters detailing maintenance or repairs needed in 21 basins. Milford did not send any violation letters.

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. Storm water districts have also been created in 4 subdivisions (Orchard Valley, Miami Trails, Harvest Ridge and Prestwick Place), under which the Engineer's Office maintains all storm sewer infrastructure outside the public road right-of-way, including five storm water management basins.

Three detention ponds were maintained by the Village of Amelia in 2019 - one at Shank Park, one on Deercreek Drive and one on Eastridge Lane. These were visually inspected and mowed monthly at a minimum. With the dissolution of Amelia at the end of 2019, these basins are now owned and maintained by Pierce Township.

In Milford, 35 applicants received utility fee credit for 60 post-construction BMPs, including 20 detention basins, 16 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 |
|-----------------|-------------------|-----------------|-----------|---------------|---------------|-----------|
|-----------------|-------------------|-----------------|-----------|---------------|---------------|-----------|

|  |               |                                  |     |  |     |     |
|--|---------------|----------------------------------|-----|--|-----|-----|
| Inspection of Private BMPs Having No Public Maintenance Agreements | Clermont SWCD | Inspect 150 privately-owned BMPs | Yes | # of inspections of post-construction BMPs | N/A | Yes |
|--|---------------|----------------------------------|-----|--|-----|-----|

Summary of Activities or Updates: In 2018, Clermont SWCD 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 2020, SWCD inspected 175 post-construction BMPs. Significant issues were found with 21 BMPs, and corrective action letters were sent to each of the BMP owners/operators.

Comments:

|  |                 |  |     |                                    |     |     |
|--|-----------------|--|-----|------------------------------------|-----|-----|
| 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 2020.

Comments:

### 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  |
|---|--|---|--|--|
| 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 2019, draft revisions that coincide with the CGP changes had been completed. Upon issuance of the revised Ms4 permit, 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. | Adoption of the revised regulations within 180 days of the effective date of the MS4 permit renewal. |

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 |
|--|--|--|--|------------|

Comments:

|  |               |   |  |  |
|--|---------------|---|--|--|
| Inspection of Private BMPs Having no Public Maintenance Agreements | Clermont SWCD | Inspect approximately 240 privately-owned BMPs in the watersheds of direct tributaries to the Little Miami River and the Lower East Fork Little Miami River | 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 continue through the year |
|--|---------------|---|--|--|

Comments:

|  |  |  |  |                                    |
|--|--|--|--|------------------------------------|
| Inspect Private BMPs with Long-term Agreements | Clermont County Engineer's Office, 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 or within an established storm water management district. 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 2021 |
|--|--|--|--|------------------------------------|

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

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 11 | Clermont SWCD     | Attend the NAAEE Research Symposium and Annual Conference | Yes       | Environmental education | Environmental educators | 1                       | Yes       |

Summary of Activity: From October 5-16, the Clermont SWCD Education Coordinator attended the virtual Research Symposium and Annual Conference hosted by the North American Association for Environmental Education (NAAEE).

Comments:

| BMP (mechanism)              | Responsible Party | Measurable Goal                  | Completed | Topic(s)                | Targeted Audience       | # of Employees Attended | Effective |
|------------------------------|-------------------|----------------------------------|-----------|-------------------------|-------------------------|-------------------------|-----------|
| Employee Training Program 12 | Clermont SWCD     | Attend the NAI annual conference | Yes       | Environmental education | Environmental educators | 1                       | Yes       |

Summary of Activity: From November 10-13, the SWCD Education Coordinator attended the National Association for Interpretation's (NAI) annual conference, held virtually in 2020 due to the pandemic.

Comments:

| BMP (mechanism)             | Responsible Party | Measurable Goal   | Completed | Topic(s)                       | Targeted Audience | # of Employees Attended | Effective |
|-----------------------------|-------------------|---|-----------|--------------------------------|-------------------|-------------------------|-----------|
| Employee Training Program 9 | Clermont OEQ      | Attend "Stormwater Permitting Requirements for Industrial Activity" hosted by Ohio EPA and Ohio Storm Water Association | Yes       | Industrial Permit Requirements | Clermont OEQ      | 1                       | Yes       |

Summary of Activity: On Feb. 12, the OEQ Program Manager attended the Stormwater Permitting Requirements for Industrial Activity webinar hosted by Ohio EPA and Ohio Storm Water Association

Comments: N/A

| BMP (mechanism)              | Responsible Party      | Measurable Goal                       | Completed | Topic(s)          | Targeted Audience | # of Employees Attended | Effective |
|------------------------------|------------------------|---------------------------------------|-----------|-------------------|-------------------|-------------------------|-----------|
| Employee Training Program 10 | Clermont SWCD, Milford | Attend 1 webinar on SWPPP development | Yes       | SWPPP development | MS4 permittees    | 2                       | Yes       |

Summary of Activity: On June 16, The Clermont SWCD administrator and City of Milford's storm water consultant attended a webinar hosted by the Regional Storm Water Collaborative titled "Developing an Effective and Approvable SWPPP." The webinar was led by Justin Reinhart and Wesley Sluga from Ohio EPA. The SWCD administrator, as an active member of the Regional Storm Water Collaborative, also helped organize the webinar.

Comments:

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Topic(s) | Targeted Audience | # of Employees Attended | Effective |
|-----------------|-------------------|-----------------|-----------|----------|-------------------|-------------------------|-----------|
|-----------------|-------------------|-----------------|-----------|----------|-------------------|-------------------------|-----------|



| Employee Training Program 13   | Clermont SWCD               | Receive certification under the National Green Infrastructure Certification Program | Yes       | Green infrastructure   | Clermont SWCD                        | 1                       | Yes       |
|--|-----------------------------|---|-----------|--|--------------------------------------|-------------------------|-----------|
| Summary of Activity: The Clermont SWCD Natural Resources Specialist attended training sessions held by the national Green Infrastructure Certification Program (NGICP), and received her certification on December 9.  |                             |   |           |  |                                      |                         |           |
| Comments:  |                             |   |           |  |                                      |                         |           |
| BMP (mechanism)  | Responsible Party           | Measurable Goal   | Completed | Topic(s)   | Targeted Audience                    | # of Employees Attended | Effective |
| Employee Training Program 1  | Ohio Township               | Attend CEAO Ohio Stormwater Management and Drainage Conference                      | Yes       | Storm water retrofits, roadside/ditch water management, green infrastructure, streambank restoration, post-development water quality | Ohio Township                        | 1                       | Yes       |
| Summary of Activity: The Ohio Township Service Department Director attended the CEAO Ohio Stormwater Management and Drainage Conference on March 10-11. He attended nine separate sessions on topics including storm water retrofits, roadside and ditch storm water management, green infrastructure, streambank restoration, and post-development water quality. |                             |   |           |  |                                      |                         |           |
| Comments:  |                             |   |           |  |                                      |                         |           |
| BMP (mechanism)  | Responsible Party           | Measurable Goal   | Completed | Topic(s)   | Targeted Audience                    | # of Employees Attended | Effective |
| Employee Training Program 2  | Clermont SWCD               | Attend webinar on storm water pond maintenance                                      | Yes       | Storm water pond maintenance   | Clermont SWCD                        | 1                       | Yes       |
| Summary of Activity: On September 17, the SWCD District Administrator attended a webinar hosted by Franklin SWCD titled "Storm Water Pond Maintenance Programs"  |                             |   |           |  |                                      |                         |           |
| Comments: N/A  |                             |   |           |  |                                      |                         |           |
| BMP (mechanism)  | Responsible Party           | Measurable Goal   | Completed | Topic(s)   | Targeted Audience                    | # of Employees Attended | Effective |
| Employee Training Program 3  | Clermont SWCD, Clermont OEQ | Attend the annual Ohio Stormwater Conference  | Yes       | Storm water BMPs, stream restoration, watershed and land management issues   | Storm water management professionals | 2                       | Yes       |
| Summary of Activity: From August 26-28, the SWCD Administrator and OEQ Program Manager attended the annual Ohio Storm Water Conference, held virtually in 2020 due to the pandemic. The conference included multiple sessions on BMPs, stream restoration, storm water management, watershed and land use issues.  |                             |   |           |  |                                      |                         |           |
| Comments:  |                             |   |           |  |                                      |                         |           |
| BMP (mechanism)  | Responsible Party           | Measurable Goal   | Completed | Topic(s)   | Targeted Audience                    | # of Employees Attended | Effective |

| Employee Training Program 4  | Clermont SWCD  | Participate in the GCEE Ultimate Educator Expo  | Yes                       | Environmental Education   | Environmental educators           | 1                       | Yes       |
|--|--|---|---------------------------|---|-----------------------------------|-------------------------|-----------|
| Summary of Activity: From September 21-25, the Clermont SWCD Education Coordinator participated in the virtual Ultimate Educator Expo hosted by Greater Cincinnati Environmental Educators (GCEE)  |  |   |                           |   |                                   |                         |           |
| Comments:  |  |   |                           |   |                                   |                         |           |
| BMP (mechanism)  | Responsible Party  | Measurable Goal   | Completed                 | Topic(s)  | Targeted Audience                 | # of Employees Attended | Effective |
| Employee Training Program 5  | Clermont SWCD, Clermont OEQ, Batavia Twp, Batavia V, Goshen Twp, Pierce Twp, Tate Twp, Union Twp, Williamsburg Twp | One urban forestry webinar for Clermont MS4 co-permittees   | Yes                       | Tree inventories, urban canopy assessments and urban forestry plans | Clermont County MS4 Co-permittees | 10                      | Yes       |
| Summary of Activity: On November 12, Clermont SWCD staff hosted an urban forestry webinar led by professionals from Davey Resources. All Clermont MS4 co-permittees were invited to attend with the exception of the Engineer's Office. Davey Resources staff presented information on tree inventories, urban canopy assessments and urban forestry plans. Ten people from 8 MS4s participated. |  |   |                           |   |                                   |                         |           |
| Comments: N/A  |  |   |                           |   |                                   |                         |           |
| BMP (mechanism)  | Responsible Party  | Measurable Goal   | Completed                 | Topic(s)  | Targeted Audience                 | # of Employees Attended | Effective |
| Employee Training Program 6  | Clermont SWCD  | View instructional video sediment and erosion control in the right-of-way   | Yes                       | Sediment and erosion control in the right-of-way                    | SWCD                              | 1                       | Yes       |
| Summary of Activity: The SWCD viewed a video created by the Summit SWCD titled "Sediment and Erosion Control for Working in the Right-of-Way." (Viewed on July 23)   |  |   |                           |   |                                   |                         |           |
| Comments: N/A  |  |   |                           |   |                                   |                         |           |
| BMP (mechanism)  | Responsible Party  | Measurable Goal   | Completed                 | Topic(s)  | Targeted Audience                 | # of Employees Attended | Effective |
| Employee Training Program 7  | Monroe Township  | Attend meeting on park maintenance  | Yes                       | Park maintenance and sustainability                                 | Monroe Township                   | 3                       | Yes       |
| Summary of Activity: On February 3, the Monroe Township administrator and two staff from the service department attended a training session titled Sustaining Your Parks and Recreation Department into the Future."   |  |   |                           |   |                                   |                         |           |
| Comments:  |  |   |                           |   |                                   |                         |           |
| BMP (mechanism)  | Responsible Party  | Measurable Goal   | Completed                 | Topic(s)  | Targeted Audience                 | # of Employees Attended | Effective |
| Employee Training Program 8  | Clermont OEQ   | Attend "Re-Imagining Parks and Open Spaces as Landscape Scale Green Infrastructure for Stormwater Source Control" webinar | Yes                       | Green space as storm water source control                           | Clermont OEQ                      | 1                       | Yes       |
| Summary of Activity: On June 4, the OEQ Program Manager attended the Re-Imagining Parks and Open Spaces as Landscape Scale Green Infrastructure for Stormwater Source Control webinar hosted by Ohio EPA and Ohio Storm Water Association  |  |   |                           |   |                                   |                         |           |
| Comments:  |  |   |                           |   |                                   |                         |           |
| BMP (mechanism)  | List of Municipal Facilities Subject to Program  |   | O&M Procedures Developed? | # of Inspections Performed  | Frequency of Inspections          |                         |           |

|                             |   |   |   |  |
|-----------------------------|---|---|---|--|
| Municipal Facilities        | Facilities include 1,088 miles of county, township and municipal roads and associated storm sewers and roadside ditches, service department facilities for each of the 15 co-permittees, 35 parks and nature reserves, and 41 cemeteries  | Yes   | 13000   | 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   | 13319 Tons  | Three co-permittees (County Engineer, Miami and Union) also used 44,777 gallons of brine during an exceptionally heavy 2020-21 winter season. 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   | 3311 Gallons  | Note that some co-permittees track usage of undiluted pesticides while others report the mixed amount. Measures to minimize usage varies. Eight co-permittees did not use any pesticides in 2020. 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   | 44746 Pounds  | Not all co-permittees use fertilizers - 8 applied none in 2020. 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, such as cemeteries when establishing graves sites. 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   | 59 cubic yards. Only the City of Milford and Batavia Village own and operate street sweepers. The Clermont County Engineer's Office tested a street sweeper in 2020. During the demo, about 4 cubic yards of waste were collected. 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 2020   |   |   |  |

| BMP (mechanism)   | Summary                                    |   |   |  |
|---|--|---|---|--|
| No records found  |  |   |   |  |
| <b>POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS</b>          |  |   |   |  |
| <i>Summarize activities you plan to undertake for the next reporting cycle.</i> |  |   |   |  |
| BMP (mechanism)   | Responsible Party                          | Measurable Goal   | Summary of Planned Activities   | Proposed Schedule  |
| 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   |  |   |   |  |
| 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   |  |   |   |  |
| Inspections of Municipal Facilities   | All Clermont County MS4 Co-permittees      | Inspections of individual MS4 systems, service department grounds, fleet maintenance facilities, parks, cemeteries and other facilities according to their existing schedules | Each co-permittee will continue to inspect their individual MS4 systems, service department grounds, fleet maintenance facilities (if they exist), parks, cemeteries and other facilities according to their existing schedules. Those co-permittees with full fleet maintenance facilities (County Engineer, Miami Twp, Union Twp) conduct formal facility inspections and visual screening of outfalls on a quarterly basis, and an end-of-year comprehensive inspection with the SWCD Administrator. | Inspection schedules vary by co-permittee. Activities will be conducted year-round.  |
| Comments: N/A   |  |   |   |  |
| 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 2021   |
| Comments: N/A   |  |   |   |  |
| Employee Training   | All Clermont County MS4 Co-permittees      | Each co-permittee will attend a minimum of one training session related to storm water management   | Known training includes the Ohio Storm Water Conference, Regional Storm Water Collaborative's Storm Water Management Field Day, and the annual training session hosted by Clermont SWCD for all permit partners.  | Ohio Storm Water Conference - May 2021; Clermont SWCD Training Seminar - October 2021, Storm Water Management Field Day - October 2021 |
| 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 2021 |
|---------------------------|---|---|--|--------------------------|

Comments: N/A

**PROPOSED CHANGES TO YOUR SWMP (IF ANY)**

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

No specific changes were made to the SWMP in 2020. Clermont SWCD began the process of updating its 2016 Storm Water Management Plan following the issuance of the draft MS4 permit renewal. Once the final permit is issues, the Clermont County MS4 Permit Committee will convene and continue the work. Several events and training sessions were either cancelled or modified due to the COVID-19 pandemic. These changes are detailed above.

**VARIANCES GRANTED (IF ANY)**

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

No variances were granted.

**ADDITIONAL INFORMATION**

*Please add any additional comments or attachments below.*

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

Additional Information attachment(s): [2020 Phase II Annual Report\\_Pollution Prevention.pdf](#)