



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

Instructions for completing this form

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

General Information

Small MS4 Annual Report for Year: 2023		Ohio EPA Facility Permit Number: 1GQ10002*CG	
Name of MS4: Clermont County & Others			
Mailing Address: 101 E Main St			
City: Batavia		State: OH	Zip Code: 45103
Country: USA		County: CLERMONT	
Primary Contact: John McManus		Title: Director	
Email Address: jmcmanus@clermontcountyohio.gov		Phone: (513) 732-7075	Fax:

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

Upload File Name for Table of Organization: OrgChart.pdf
 See attached

Certification

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

Applicant Name: John Mcmanus	Title: Program Manager
Signature: Electronically submitted by mcmanus	Date: Electronically submitted on 04/01/2024

PUBLIC EDUCATION AND OUTREACH

Estimate Your Permit Area of Total Population: 192688

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Effective
Pond / Retention Basin Management Clinic	Clermont SWCD	1 pond clinic, 50 attendees	Pond and retention basin maintenance	Pond / basin owners	32	Yes
Summary of Results: Clermont SWCD held its annual pond management clinic on April 4. Topics include maintenance, aeration and weed control. 16 people attended.						
Comments:						
Single Use Plastics Conservation Plastics Initiative	Clermont SWCD, Regional Stormwater Collaborative, WAVE Foundation	Number of programs, number of pledges to reduce single use plastics	Reduce amount of plastic litter along streams	Greater Cincinnati residents	100	Yes
Summary of Results: Clermont SWCD and the Regional Stormwater Collaborative have partnered with the WAVE Foundation of the Newport Aquarium to institute a Conservation Action Initiative to reduce the use of single use plastics and reduce the amount found along the banks of local waterways. As part of the Initiative, WAVE Foundation conducts programs on the problems associated with single use plastics with families visiting the Aquarium, and then ask them to commit to reducing the amount of plastic used in their household. Families that sign a commitment form are given an "infrastructure kit" that includes materials such as reusable flatware, sandwich bags and straws to help them meet their commitment. In 2022, WAVE conducted programs at four locations reaching 964 people. 32 families signed pledges to reduce their reliance on single use plastics.						
Comments:						
Newsletter Articles	Clermont SWCD	Minimum 4 storm water-related articles per year in Clermont Conservation Quarterly newsletter	Community Education and Outreach	Those living and doing business within Clermont County	100	Yes
Summary of Results: Quarterly newsletters posted to https://www.clermontswcd.org/newsletters/ , sent electronically through Constant Contact (1,765 sent, 836 opened, 47% open rate) and direct mailed (472 mailed in 2023).						
13 total articles in 2023: The spring newsletter included an article titled "Be the Change for Clean Water" (on stream buffers), one on stream buffer plants, announcements for the Pond Clinic and spring Master Rain Gardener course, and the Spring Litter Cleanup logo design contest. The summer newsletter included an article on the Clermont SWCD rain garden, the fall Master Rain Gardeners course, a Spring Litter Cleanup wrap-up, the Ohio River Sweep and the new Landowner Conservation Series. The fall newsletter included an article introducing a new drainage guide for residents developed by Clermont SWCD. The winter newsletter included an article on the Williamsburg nutrient removal wetland, one entitled "Leave Those Leaves Alone," and a call for rain barrel artists for the 2024 event.						
Comments:						
Rain Garden / Rain Barrel Education Program	Clermont SWCD, Clermont Park District, Butler, Hamilton and Warren SWCDs	Host 2 Master Rain Gardener courses, sell 10 rain barrels; 1 rain barrel art event, develop Master Rain Gardener course, maintain rain garden web site	Yard Care / Residential Runoff	Clermont County property owners	100	Yes

Summary of Results: Clermont SWCD helped host two Master Rain Gardener course in the spring and fall, with the fall event held in Clermont County. 12 participants completed the spring course, with 4 installing rain gardens, while 9 completed the fall course, installing 2 rain gardens, and one retrofitted the rain garden at the Clermont County fairgrounds.

12 rain barrels sold as part of 2023 conservation plant sale and single sales throughout the year

Rain Barrel Art event - The Regional Stormwater Collaborative received 105 artwork entries (including 48 from students and 54 from individuals) for the 2023 event. 40 designs were selected and 40 rain barrels were painted by local artists. The 40 painted barrels were displayed at the Cincinnati Zoo through the month of April, with over 221,615 visitors in attendance during the barrel display period. The on-line auction raised \$11,949 for environmental education.

The Regional Storm Water Collaborative hosted the first two cohorts of the five-day Master Rain Gardener course in the spring and fall of 2022. A total of 30 students completed the course and submitted plans for new rain gardens. Seven students completed their rain gardens by the end of the year, with several others nearly complete.

The Rain Garden Central web site was maintained at www.clermontswcd.org/rain-gardens-barrels/. There were 216 Page Views for the home rain garden/rain barrel page, and 425 Page Views for the school rain garden activity guide.

Comments: N/A

Take Back Your Lawn Media Campaign	Clermont SWCD, Regional Stormwater Collaborative	Create videos for 4 different residential practices	Yard care / residential runoff	Residential landowners	100	Yes
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Summary of Results: The Regional Stormwater Collaborative's annual media campaign focused on "taking back your yard" by rejecting unsustainable yard care practices and taking on positive ones. In partnership with the Cincinnati Zoo, the Collaborative created four short videos advising residents on the importance of keeping storm drains clear (26,659 views), installing rain barrels (26,651 views), picking up pet waste (35,881 views), and eliminating chemicals used on lawns (7,904 views). Residents were challenged to play Take Back Your Lawn Bingo where they would adopt three practices that improve water quality.

Comments:

Streambank Maintenance Guide	Clermont SWCD	Create and print a Streambank Maintenance Guide for private landowners	Riparian Zone Protection and Restoration	Riparian landowners	100	Yes
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Summary of Results: In September 2023, Clermont SWCD published a Streambank Maintenance Guide for private landowners. The guide provides tips on how to prevent stream bank erosion and steps that can be taken to correct erosion problems once they occur. A PDF version of the guide can be downloaded at https://www.clermontswcd.org/wp-content/uploads/sites/23/2023/09/streambank-maintenance-guide_clermontswcd_reduced.pdf. Clermont SWCD also printed 100 copies of the guide and distributes them during riparian landowner site visits. Additional copies will be printed as needed.

Comments:

Skimmer Specs, Installation & Maintenance Workshop	Clermont SWCD, SWCDs of Butler, Hamilton, Montgomery & Warren Counties	Host one Skimmer Specs, Installation & Maintenance Workshop	Erosion & Sediment Control BMPs	Design engineers, contractors and inspectors	100	Yes
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Summary of Results: On June 15, Clermont SWCD and SWCDs from Butler, Hamilton, Montgomery and Warren Counties hosted a Skimmer Specifications, Installation & Maintenance Workshop. The agenda included specifying skimmers from an engineer's perspective, Ohio EPA requirements, plan reviews for skimmers, site inspections for skimmers, and overviews of the Marlee Float and Faircloth skimmers. 60 people registered and 49 attended

Comments:

Water Management & Sediment Control (WMSC) Education Programs	Clermont County Building Department, Clermont SWCD	Conduct 1 training session on WMSC regulations for development community, and 1 specifically for Greater Cincinnati HBA	Erosion and Sediment Control BMPs	Homebuilders Association, development community	100	Yes
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Summary of Results: On March 1, the Building Department and the SWCD WMSC inspector hosted a morning workshop to review the WMSC regulations and site inspection procedures and expectations with members of the development community. A total of 14 people attended. On June 16, the Building Department and SWC hosted a similar program specifically for the Greater Cincinnati Homebuilders Association, which was attended by 19 people.

Comments:						
Group Education Programs	Clermont SWCD	3 group education programs per year	Community Education and Outreach Programs (multiple topics)	General Public	100	Yes
Summary of Results: Clermont SWCD conducted 7 group education programs in 2023, including 5 for Ohio Certified Volunteer Naturalists (OCVN) programs that addressed watersheds, aquatic life and stormwater management (104 total participants - 50 in Jan 19 class, 33 in Apr 8 & May 6 classes, 21 in Jun 16 & 20 classes), and 2 for the Landowner Conservation series (described separately in this report).						
Comments:						
Landowner Conservation Series	Clermont SWCD, Clermont Park District	Conduct two workshops	Yard care / residential runoff	Urban landowners	100	Yes
Summary of Results: In 2024, Clermont SWCD and the Park District partnered to host the 1st Landowners Conservation Series. Quarterly events were planned for the first year of this series (monthly programs will be held in 2024). Two of the programs related to urban stormwater management, including a workshop on native plants and rain gardens on April 12 which was attended by 23 people, and a stormwater management workshop on September 13, which only four people attended.						
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	HSTS Education	HSTS owners	100	Yes
Summary of Results: No homeowner training sessions in 2023 (short-staffed). Four were conducted in 2022. Total of 6200 information cards distributed to HSTS owners. Web site maintained at https://ccphohio.org/septic-system-operation-permits/						
Comments:						
Storm Water Field Day	Regional Storm Water Collaborative, Clermont SWCD	1 storm water management field day	Erosion & Sediment Control BMPs	Development community, MS4s	98	Yes
Summary of Results: The Regional Storm Water Collaborative hosted its annual Storm Water Management Field Day on September 21. The event included a field demonstration of BMPs and an update given by John Mathews (Ohio EPA) on Ohio storm water permits. 155 people attended.						
Comments:						
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 www.clermontswcd.org , www.oeq.net and www.savelocalwaters.org . New teacher website created at https://sites.google.com/view/swohioedresources .	Those living and doing business in Clermont County; educators	100	Yes
Summary of Results: www.clermontswcd.org : 2023 totals - 9,011 users; 22,592 page views						
www.oeq.net : 2023 totals - 18,474 users, 33,013 page views						
Regional Storm Water Collaborative (www.savelocalwaters.org): 27,734 page visits, 17860 unique visits. The biggest draw to the web site was the rain barrel art project.						
Comments: N/A						

Illicit Discharge / Proper Disposal of Wastes	Clermont County Water Resources Department	1 Education Tip on Water & Sewer Utility Bills	Community Outreach and Education	Those living and doing business in Clermont County	100	Yes
Summary of Results: In 2023, the Clermont County Water Resources Department ran the following message on it's utility bills: "All storm drains lead to a stream rather than a treatment plant. Dumping any waste into a storm sewer is illegal. For information on how and where to dispose of or recycle different waste products, check www.oeq.net ." The message ran for one full cycle, which includes over 40,000 bills.						
Comments:						
K-12 School Programs	Clermont SWCD	20 programs per year in 5 school districts	Community Outreach and Education Programs (multiple topics)	K-12 School Children	100	Yes
Summary of Results: In 2023, Clermont SWCD gave 22 school programs that reached approximately 72 adults and 825 school children. The SWCD Education Specialist gave an additional 11 programs to other groups (e.g., Boys & Girls Club, NEST program) that reached 19 adults and 100 children. Programs included Incredible Journey, Water Wonders, Water Safari, Water Cycle, Macroinvertebrates and general stormwater management.						
Comments:						
Williamsburg Off-Channel Nutrient Removal Wetland	Clermont SWCD, Williamsburg Village	4 project tours, 1 partnership meeting, 1 educational video, 1 project web site, 1 presentation, 1 sign	Post-construction BMPs	Elected officials, environmental professionals, general public	100	Yes
Summary of Results: The Williamsburg Off-Channel Nutrient Removal Wetland was substantially completed by the end of 2022. In 2023, Clermont SWCD focused on final stabilization and education efforts. Four project torus were held, including: one in conjunction with the Stormwater Collaborative's H2Ohio workshop on May 25, one during the OFSWCD Summer Supervisor School on Aug 1, one during the ribbon cutting and SWCD annual meeting on Sep 14, and one for Sen. Terry Johnson on Sep 15. Clermont SWCD also completed a project video and web site, which can be viewed at https://www.youtube.com/watch?v=WaslpfQcPZ4 , and https://www.clermontswcd.org/williamsburg-off-channel-wetland-project/ , respectively. Additionally, an educational sign was instaled at the project site, and the SWCD Director gave a presentation on the project at the WMAO annual conference on Nov 7.						
Comments:						
General Storm Water Education - Social Media	Clermont SWCD, Regional Storm Water Collaborative	Minimum of 4 postings per year	Community Outreach and Education	Those who live or work in Clermont County	100	Yes
Summary of Results: Clermont SWCD had 26 Facebook posts related to storm water management; topics included information on rain barrels, pond management and retrofits, wetlands, streambank management, plants for storm water control, rain gardens, proper waste disposal, and volunteer litter cleanups. The Facebook posts had a total reach of 20,388 and 2,260 engaged users. Facebook page followers increased by 191 to 1,265.						
The Regional Storm Water Collaborative's Facebook page (SaveLocalWaters.org) had 1,610 followers and a reach of 357,197, while its Instagram page had 110 followers and a reach of 367,441. Four YouTube videos were created which had a combined reach/views of 97,828. The YouTube channel has 110 followers.						
Comments:						
PUBLIC EDUCATION & OUTREACH						
<i>Summarize activities you plan to undertake during the next reporting cycle.</i>						
BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Proposed Schedule
Stormwater Education Programs	Clermont SWCD	Conduct 20 programs	Teach about impacts of land use and storm water runoff on water quality and stream biota.	K-12 School Children, General Public	100	Year-round
Summary of Planned Activities: Conduct 20 programs that teach about the impacts of land use and storm water runoff on water quality and stream biota						
Comments: N/A						

Storm Water Management Field Day	Regional Storm Water Collaborative	1 Storm Water Management Field Day	Erosion and sediment control and post-construction BMPs	Development community, local government inspectors	100	September 19, 2024
Summary of Planned Activities: 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 on September 19.						
Comments: N/A						
Riparian Zone Protection Campaign	Clermont SWCD, Regional Stormwater Collaborative	Conduct one advertising campaign	Riparian Zone Protection and Restoration	Streamside landowners in Hall Run & Backbone Creek watersheds	100	Fall 2024
Summary of Planned Activities: Clermont SWCD, working with the Regional Storm Water Collaborative, will develop and conduct an advertising campaign encouraging homeowners to create and maintain healthy stream buffers. In Clermont County, the campaign will focus on reaching landowners in the Hall Run and Backbone Creek watersheds.						
Comments:						
Pond / Retention Basin Management Clinic	Clermont SWCD	Conduct 1 pond / basin management clinic, goal of 50 attendees	Pond and retention basin maintenance	Pond / basin owners	100	April 16, 2024
Summary of Planned Activities: Conduct one pond / storm water basin maintenance clinic for private landowners						
Comments: N/A						
Fostering Sustainable Behavior Workshop	Clermont SWCD, Regional Stormwater Collaborative	Conduct an introductory and advanced workshop on community based social marketing	Community Outreach & Education Programs	Environmental and conservation organizations	100	June 25-27, 2024
Summary of Planned Activities: Under an OEEF grant, Clermont SWCD and the Regional Stormwater Collaborative will bring in noted environmental psychologist Dr. Doug McKenzie-Mohr to host an introductory and advanced workshop focused on community based social marketing - a process designed to achieve and sustain behavioral changes. In addition, Clermont SWCD will work with Dr. McKenzie-Mohr to develop the basis for an educational program designed to reduce fertilizer applications by urban landowners.						
Comments:						
Riparian Zone Protection	Clermont SWCD	Conduct 1 presentation on riparian zone connection	Riparian Zone Protection	Clermont County Planning Commission	100	Summer 2024
Summary of Planned Activities: Clermont SWCD will conduct 1 presentation on the importance of protecting riparian corridors to the Clermont County Planning Commission						
Comments:						
Erosion & Sediment Control BMPs	Clermont SWCD, Clermont County Building Department	Conduct 1 workshop on erosion & sediment control requirements / WMSC inspection expectations	Erosion & Sediment Control BMPs	Construction site managers	100	Fall 2024
Summary of Planned Activities: Clermont SWCD and the Clermont County Building Department will conduct a workshop for construction site operators/managers that reviews erosion and sediment control requirements contained in the County's Water Management & Sediment Control regulations, and the expectations that County inspectors will have when visiting construction sites.						
Comments:						

Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	Sell 10 rain barrels; 1 rain barrel art event, maintain rain garden web site	Lawn Care / Landscaping	Clermont County property owners	100	April - Rain Barrel Art Project, rain barrel sales Year-round - maintenance of demonstration rain gardens, rain barrel sales, maintenance of web site
Summary of Planned Activities: Sell 10 rain barrels, annual rain barrel art event with Regional Storm Water Collaborative (RSWC), maintain rain garden web site at http://www.clermontswcd.org/rain-gardens-barrels/ .						
Comments: N/A						
Stormwater Basin Maintenance Video	Clermont SWCD	Develop an instructional video on the maintenance of stormwater basins	Post-Construction BMPs	Stormwater basin owners	100	By December 2024
Summary of Planned Activities: Clermont SWCD will work with the Clermont County Office of Public Information to develop an instructional video on the maintenance of stormwater basins and post it on the SWCD You-Tube channel						
Comments:						
Home Sewage Treatment Systems	Clermont County Public Health	Distribute 3500 HSTS education postcards to homeowners before inspections; maintain educational web site	Proper care and maintenance of HSTSs	HSTS owners	100	Year-round
Summary of Planned Activities: Distribute 3500 HSTS education postcards to homeowners before inspections; maintain educational web site						
Comments: N/A						
Community Outreach Programs	Clermont SWCD, Clermont OEQ	Publish minimum of 3 newsletter articles, 12 social media posts, 1 educational message on utility bills, maintenance of web sites	Community Education and Outreach	Those who live or work in Clermont County	100	Year-round
Summary of Planned Activities: Clermont SWCD will publish a minimum of 3 newsletter articles and post a minimum of 12 storm water related messages on its social media sites, and include 1 educational message on Clermont County water and sewer utility bills. Both SWCD and OEQ will maintain storm water-related pages on their respective web sites.						
Comments: N/A						

PUBLIC INVOLVEMENT AND PARTICIPATION

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

Summary of Results: Fleet maintenance collected 450 gallons of used motor oil and 125 gallons of antifreeze from an estimated 65 residents.

Comments:

East Fork Watershed Cooperative	Clermont OEQ, Clermont SWCD	Quarterly meetings to development and implementation of yearly stream monitoring and sampling program	Water quality monitoring and sampling, illicit discharge detection, source water protection, harmful algal blooms, bioretention, TMDL development	Clermont Co Water Resources Dept, Clermont OEQ, Clermont SWCD, USEPA-ORD, US ACE, Ohio EPA, Ohio Department of Agriculture	30	Yes
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Summary of Results: Three meetings were held in 2022 (Feb 15, Aug 31 and Nov 30). In between meetings, EFWCoop members stay in close contact via calls, emails and one-on-one meetings. EFWCoop meetings focused on coordinating sampling efforts in the EFLMR watershed and exploring causes/sources of HABs in Harsha Lake. 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:

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	22	Yes
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Summary of Results: 22 people participated in 12 monthly meetings during 2023. Pierce Township has 209.79 acres of greenspace preserved. No new land was acquired.

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	339	Yes
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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. In 2023, a total of 339 customers purchased approximately 4,500 plants and 12 rain barrels.

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
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Summary of Results: Batavia Twp/Village - Batavia Township's contract with Republic Services provides year-round curbside pickup of large items and other items typically accepted at Clean-up Days. In addition, a Clean-up Days event was also held from April 20-22, with approximately 350 people bringing waste that filled 18 30-yd dumpsters.

Goshen Twp - Event held on June 3. Material filled 5 compactor trucks, 10 40-yard roll offs and 6 30-yard metal recycle dumpsters. Number of participants unavailable.

Miami Township - Held on April 28-29 and September 15-16. In April, 200.38 tons of trash were collected, along with 17,250 lbs of recyclable metals and 1,193 lbs of recyclable lead batteries. In September, 95.21 tons of trash and 7,3600 lbs of recyclable metals (no batteries) were collected.

Stonelick Twp/Owensville - Held on August 26. 44.5 tons of material were collected from 233 residents, filling 4 packer trucks and 4 40-yd. dumpsters. 430 gallons of used motor oil were also collected. Roundbottom Recycling collected recyclable metals in 2 40-yd dumpsters and 1 20-yd dumpster.

Union Township - Junk Days were held April 17-22 and October 26-30. Items included 79 refrigerators, with 21 packer trucks, and 34-30 yard dumpsters filled with furniture, clothes, bicycles, electronic equipment, and lawn equipment.

Tate Twp - Cleanup Days held on July 7-8. Collected 103.51 tons of waste from 408 people.

Williamsburg Twp/Village - Held in June 2023. Collected approximately 60 tons of material. An estimated 200 people participated.

Comments:

Master Rain Gardener Program	Clermont SWCD, Regional Storm Water Collaborative	Host two Master Rain Gardener cohorts	Rain gardens	Landowners in Clermont County	21	Yes
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Summary of Results: The Regional Stormwater Collaborative conducted separate programs in the spring and fall. 21 students completed the program, which involves either creating their own rain garden or rehabilitating an existing one. Six of the 21 participants planted new rain gardens.

Comments:

Spring Litter Cleanup	Clermont SWCD	Annual volunteer river bank and parks clean-up	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	351	Yes
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Summary of Results: 121 entries were submitted by K-12 students for the Summer Litter Cleanup logo design contest. The winning logo, designed by a 6th grade homeschooled student with the Buzzing Enthusiast 4-H group, was printed on reusable water bottles which were given to event volunteers.

The 2023 spring litter clean-up event was held on Saturday, April 22, with a combination of in-person clean-ups at various sites across Clermont County and the East Fork Little Miami River watershed. Over 230 volunteers participated and collected a combined 310 bags of trash.

Comments:

Rain Barrel Art Event	Regional Storm Water Collaborative	Once annually, offer 40 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo	Promote the use of rain barrels throughout the Ohio River Valley through a creative an educational medium	Greater Cincinnati artists of all levels	105	Yes
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Summary of Results: 105 individuals and groups submitted artwork to participate in the 2023 project. 40 designs were selected and 40 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:

Ohio River Sweep	Clermont SWCD, 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	189	Yes
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Summary of Results: A total of 189 volunteers helped clean trash from the banks of the Ohio River at nine sites in Clermont County. Volunteers collected 391 bags of trash, along with 50 tires, 6 blue plastic barrels, wicker furniture, a large children's plastic playhouse, a large piece of carpeting, 7-8 playground balls, 2 children's car seats and lots of other miscellaneous trash.

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	67	Yes
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Summary of Results: Clermont OEQ issued 93 vouchers, 67 of which were used for disposal of 3,465 lbs. of 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
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:

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
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Summary of Planned Activities: Monthly meetings of Green Space Committee

Comments:						
Catch Basin Labeling	Clermont SWCD	Work with volunteers to label 50 catch basins with Don't Dump, Drains to River message	Illicit discharge prevention	Clermont County residents	15	Summer 2024
Summary of Planned Activities: Clermont SWCD will work with a group of volunteers to label 50 catch basins with "Don't Dump, Drains to River" messages						
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:						
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 2024
Summary of Planned Activities: Area artists of all ages and skill levels will be invited to submit designs for the 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:						
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	Batavia Twp/Village, Goshen Twp, Miami Twp, Stonelick Twp./Owensville, Union Twp, Tate Township, Williamsburg Twp/Village	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	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:						

Volunteer Litter Cleanups	Clermont SWCD, Clermont OEQ, Park District, MS4 Townships and Municipalities	1 Spring Litter Cleanup, 1 Ohio River Sweep	Litter prevention, reduction of solids and floatables, general awareness of Ohio River as a natural resource	Residents and those doing business within Clermont County	1000	Spring Litter Cleanup - April 20, 2024; Ohio River Sweep - June 2024
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Summary of Planned Activities: The annual Spring Litter Cleanup will be held along the East Fork Little Miami River and in public parks in April 2024. The Ohio River Sweep is tentatively scheduled for the 3rd Saturday in June.

Comments:

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

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

Summary of Results or Activities: Rules and Regulations Regarding Illicit Discharges and Illegal Connections to the Separate Storm Sewer System are established as Article 8.0 of the WMSC regulations. Revisions to the regulations were approved by the Board of County Commissioners on July 7 and went into effect on August 7, 2022.

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 (such as size, material and condition). Updates to the database were made throughout 2023 as system upgrades were made and new systems installed. As of the end of 2023, the MS4 (both public and private, countywide) had 34,970 segments of pipe (567 miles), along with 26,250 catch basins, 2,290 inlets and 5,576 outfalls (excluding simple culverts), 6,100 culverts, 5,564 manholes, and 1,093 BMPs.	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 Operation Permit Assessment (OPA) database. Maps showing locations of both discharging and non-discharging systems have been developed for the various watersheds within the Phase II urbanized area. A total of 22,216 HSTSs have been identified throughout Clermont County. Clermont County Public Health offers an online search tool that allow users to research data from Septic System Operation Permit and Loan Inspection results at https://ccphohio.org/septic-system-operation-permits/septic-system-search/ .	Yes

Comments:					
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective

IDDE Plan	Clermont SWCD, Clermont County Public Health, County Engineer's Office, Townships & Municipalities	Develop and institute an illicit discharge detection and elimination plan.	Yes	<p>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). 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.</p> <p>The Industrial Pretreatment Program Coordinator for the County's Water Resource Department looks for indications of illicit discharges during annual Significant Industrial User facility inspections and drive by inspections. If an illicit discharge is noted, the Coordinator either works directly with the responsible party to eliminate the discharge, or notifies Clermont SWCD, which conducts follow-up inspections and enforcement.</p> <p>Clermont County Public Health (CCPH) 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, CCPH 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.</p>	Yes
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Public Health inspectors also look for signs of illicit discharges at and around solid waste and grease dumpsters outside of restaurants and other food establishments. Level 1 and 2 operations (primarily those that deal with pre-packaged foods) are investigated on an annual basis, while Level 3 and 4 operations, including those that generate oil and grease wastes, are inspected twice a year. CCPH is responsible for enforcing violations related to restaurant operations and waste disposal. If material is found to have entered the MS4, CCPH investigators will inform Clermont SWCD of the illicit discharge.

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 250 outfalls annually/1000 over course or permit.	Yes	5576	109	8	14	13	Yes

Comments: In 2023, Clermont SWCD staff screened 109 outfalls and high risk locations, including 30 industrial sites and other sites on the County's annual inspection list, 52 storm water basin outlets, and 11 as the result of complaints. Clermont County Water Resources Department conducted 16 additional inspections during regularly scheduled visits to industries holding industrial waste pre-treatment permits. A total of 14 incidents of spills or illicit discharges were identified. All except one (Mike's Car Wash) were eliminated in 2023. A report documenting each of the illicit discharges identified and the steps taken to eliminate them is attached.

Upload File Name for the Illicit Discharges: 2023 dry weather overflow investigations.pdf

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Planned Activities	Comments	Effective
HSTS Inspections	Clermont County Public Health	Inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Yes	Clermont County Public Health inspected 5,905 home sewage treatment systems throughout Clermont County in 2022. Inspection results for all HSTSs are now available on line. Anyone interested in viewing an inspection report for a particular system can visit https://ccphohio.org/septic-system-operation-permits/septic-system-search/ and enter the address of the property.		Yes

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 2022, 21 CDBG applications were received and 15 systems were either replaced or pending by the end of the year.		Yes
Stream Monitoring and Sampling Program	Clermont OEQ, Clermont SWCD	Conduct annual stream monitoring and sampling program	Yes	The 2022 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. Nine wet weather events were sampled at two edge-of-field monitoring stations to determine nutrient loads from farm field with BMPs. Additional monitoring and sampling was conducted by the US EPA Office of Research & Development and U.S. Army Corps of Engineers as part of the joint program being conducted by the East Fork Watershed Cooperative. Clermont County is a Level 3 Quality Data Collector. All data collected are being submitted to Ohio EPA through its Volunteer Monitoring Program.		Yes

HSTS Remediation Program	Clermont County Public Health	Track # of people enrolled in the Remediation Program, including those moving toward full system replacement.	Yes	The Remediation 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, visit https://ccphohio.org/septic-systems/snarp/ . In 2022, the Health District received 22 separate applications. A total of 19 remediation projects were completed.	Yes
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ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

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

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
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.	Year-round
Comments:				
Enforce illicit discharge regulations	Clermont SWCD, Milford	Eliminate discharges as they occur	Clermont SWCD will continue its efforts to detect illicit discharges through its screening and stream monitoring program, and will work with the responsible parties to eliminate them as they are found.	Year-round
Comments:				
Dry Weather Screening	Clermont SWCD	Screen a minimum of 250 public outfalls, including all those on the annual inspection list.	Clermont SWCD will continue to inspect public outfalls for signs of illicit discharge. In 2024, SWCD will screen a minimum 250 outfalls during dry weather.	Year-round during dry weather conditions.
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 2023 monitoring program will be discussed and made in early 2024.	Year-round
Comments:				
HSTS Remediation Program	Clermont County Public Health	Track # of people enrolled in Remediation Program, including those moving toward full system replacement.	Public Health will continue to offer the Remediation 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:				
Illicit Inspections at Restaurants	Clermont County Public Health	Inspect all restaurants in county for possible oil and grease discharges	During inspections of restaurants and other food establishments, Clermont County Public Health inspectors will look for signs of illicit discharges at and around solid waste and grease dumpsters outside of the facility.	Level 1 and 2 operations (primarily those that deal with pre-packaged foods) will be investigated on an annual basis, while Level 3 and 4 operations will be inspected twice a year.

Comments:				
Industrial Site Inspections	Clermont County Water Resources Department	Annual inspections of each Significant Industrial User	The Water Resources Department's IWPT Coordinator will conduct annual inspections of each Significant Industrial User connected to the County's sanitary sewer system. The IWPT Coordinator will look for signs of illicit discharges during these inspections.	Generally from January to July

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:

CONSTRUCTION SITE RUNOFF CONTROL					
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	Clermont County Building Inspection Department	Revise sediment and erosion control regulations; continue enforcement of existing regulations until revision completed	Yes	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes

Summary of Results or Activities: The Board of County Commissioners approved revisions to the Water Management and Sediment Control Regulations on July 7, 2022, with the changes going into effect on August 7, 2022. Prior to approving the revised regulations, public hearings were held on May 25 and June 1. One county resident submitted comments at the June 1 public hearing, neither in support or opposition of the changes, but to voice concerns about problems on his property. No other comments were received.

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, https://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/	Yes
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Summary of Results or Activities: The County's sediment and erosion control requirements are contained in the Water Management & Sediment Control (WMSC) Regulations, primarily within Article 6. In 2022, The Board of County Commissioners approved revisions to the Water Management and Sediment Control Regulations on July 7, with the changes going into effect on August 7.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Number of Complaints Received	Number of Complaints Followed Up On	Effective
Complaint Process	Clermont County Building Inspection Department, Milford	Achieve 50% resolution of valid complaints	Yes	31	31	Yes

Summary of Results or Activities: Of the 31 complaints received, Clermont SWCD's inspector and the Clermont County Building Department have followed up on each, and 6 have been documented as resolved. In actuality, many more have been resolved, but not all have been updated in the Building Department's database. Database updates will be made in early 2024.

Milford continued to receive complaints at 777 Garfield Avenue. Deficiencies were noted in December 2022 and not addressed by the end of that year. A stop work order was issued on March 17, 2023. Those issues have been corrected, though additional problems continue to crop up. Milford is conducting bi-weekly reviews and meetings with the contractor to stay on top of the issues. Milford received one other complaint about activities at 841 Riverside Drive, but no deficiencies were reported.

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	530	666	Yes

Summary of Results or Activities: Clermont County conducted 662 reviews for 526 sites requiring plans (including re-reviews of plans not approved after first review); Milford conducted 4 reviews for 4 plans (841 Riverside Drive (revised), 405 Garfield (revised), 777 Garfield (revised) and 636 Roundbottom Road. Details of plan requirements are provided in WMSC Regulations. Specific review procedures are contained in the March 2022 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	1218	3450	0.2	Yes

Summary of Results or Activities: Clermont County conducted 3,430 inspections at 1,214 sites, while Milford conducted 20 inspections at 4 sites. The average number of inspections per site was 2.8. 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: 2023 WMSC Permits with Inspection Date.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	215	3	Yes

Summary of Results or Activities: For purposes of this annual report, conditional occupancy certificates are considered to be violation letters, and stop work orders are considered to be enforcement actions. In 2023, the Clermont County Building Department issued 215 conditional occupancy certificates; 102 of these have been resolved. Two stop work orders were issued (V-C lane and Stonelick-Olive Branch). Both of these have been lifted. Milford issued one stop work order for the site at 777 Garfield.

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 hosted the annual Storm Water Management Field Day on September 22. The event included a field demonstration of BMPs and an update given by Wes Sluga (Ohio EPA) on Ohio storm water permit matters. 98 people attended.

Comments:

WMSC Regulations Workshop	Clermont Building Department, Clermont SWCD	Host one workshop on the Clermont County Stormwater Regulations for the development community	Yes	One workshop attended by 14 people	Yes
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Summary of Activities or Updates: On March 1, 2023, The Clermont Building Department and Clermont SWCD hosted a workshop to review the county's Water Management & Sediment Control regulations, as well as the county's site inspection process and expectations.

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
Storm Water Management Field Day	Clermont SWCD, Regional Storm Water Collaborative	Host 1 erosion & sediment control field day for members of the development community	The Regional Storm Water Collaborative is planning to host a Storm Water Management Field Day, which will include presentation and discussion of erosion and sediment control BMPs, for members of the development community and municipal storm water inspectors in SW Ohio in the fall.	September 2024

Comments:

Plan Review	Clermont County Building Inspection Department, Clermont SWCD, 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 (March 2022)	Year-round
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Comments:

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

Respond to Erosion and Sediment Runoff Complaints	Clermont SWCD, 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 two business days of receiving the complaint, and work to address an valid issues found during inspection.	Year-round
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Comments:

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

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	Clermont County Building Inspection Department	Revise regulations for post-construction storm water management; enforce current regulations until revisions are complete	Yes	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/water-management-sediment-control-regulations/	Yes

Summary of Results or Activities: The Board of County Commissioners approved revisions to the Water Management and Sediment Control Regulations on July 7, 2022, with the changes going into effect on August 7, 2022. Prior to approving the revised regulations, public hearings were held on May 25 and June 1. One county resident submitted comments at the June 1 public hearing, neither in support or opposition of the changes, but to voice concerns about problems on his property. No other comments were received.

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. The Board of County Commissioners approved revisions to the Water Management and Sediment Control Regulations on July 7, 2022, with the changes going into effect on August 7, 2022.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective
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Site Plan Review Procedures	Clermont County Building Inspection Department, Milford	Established site plan review procedures for developments requiring post-construction BMPs	Yes	37	37	Yes
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Summary of Results or Activities: Plans reviewed to ensure BMPs are designed in compliance with County's WMSC Regulations. The County Building Department reviewed plans for 35 developments requiring post-construction BMPs. Two new developments in Milford required post-construction BMPs - 777 Garfield Road & 405 Garfield Road.

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	1093	99	8	Yes

Summary of Results or Activities: A total of 1,093 post-construction BMPs have been identified in Clermont County (excluding the City of Loveland).

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 storm sewer infrastructure for four subdivisions that have created storm water management utilities. This includes 2 detention basins in Harvest Ridge and 3 basins (2 detention, 1 retention) in Prestwick Place). In June of 2021, the County Engineer became responsible for the maintenance of Woods at Miami Trails and Estates at Miami Trails in Miami Township Storm Sewer District. There are 10 detention basins in this development and approximately 13,600' of storm sewer. The Engineer's office does not maintain any BMPs in the other two districts (Orchard Valley and Miami Trails). 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 2023, Elam Excavating replaced 60' of collapsed 36" plastic storm sewer and re-compacted the area over it at 1228 Ridgewood Drive (Woods at Miami Trails Subdivision). Mullins Maintenance placed rip rap and grouted around pipe at 6353 Trailridge Court, cleared trees and removed debris at 6652 Miami Trails Drive and 843 Miami Drive, removed trees and installed rip rap at 826 Miami Drive (Miami Trails Subdivision), installed 140' of underdrain and placed rip rap at 1207 Wintercrest Circle (Summerfield Subdivision).

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 2023 SWCD staff inspected 52 BMPs and sent three corrective action letters. As of the end of 2023, Clermont SWCD has an additional staff person dedicated to basin inspections and is in the process of revising the field inspection form.

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. These were not inspected in 2023.

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	11	11	Yes

Summary of Results or Activities: The Building Department noted 10 violations during inspections of BMPs constructed in 2023. In Milford, there have been multiple issues with the basin at 777 Garfield. A stop work order which detailed 12 separate violations was issued on March 17.

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	69	69	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 6 subdivisions (Orchard Valley, Miami Trails, Harvest Ridge, Prestwick Place, Woods at Miami Trails and Estates at Miami Trails), under which the Engineer's Office maintains all storm sewer infrastructure outside the public road right-of-way, including 15 storm water management basins.

Pierce Township maintains three detention basins - one at Shank Park, one on Deercreek Drive and one on Eastridge Lane. These were visually inspected and mowed monthly at a minimum.

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
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 2023.

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
Inspection of Private BMPs Having no Public Maintenance Agreements	Clermont SWCD	Inspect approximately 200 privately-owned BMPs	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.	Year-round

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 2024
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Comments:

Plan Review	Clermont Building Department, Engineer's Office, Planning Dept, SWCD; City of Milford	Review post-construction storm water management plans for all construction activities disturbing 1 or more acre	Both Clermont County and Milford will follow the plan review process described in the Clermont County Storm Water Management Plan (March 2022)	Year-round
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Comments:

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

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 4	Clermont SWCD	Attend the annual Storm Water Management Field Day	Yes	Construction and post-construction storm water BMPs	MS4s, development community	1	Yes

Summary of Activity: The Clermont SWCD Director attended the Storm Water Management Field Day hosted by the Regional Storm Water Collaborative on September 21.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 1	Clermont SWCD	Attend annual Environmental Education Council of Ohio conference	Yes	Environmental education	SWCD Education Coordinator	1	Yes

Summary of Activity: From April 13-16, the SWCD Education Coordinator attended EECO's annual conference.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 2	Clermont SWCD, Clermont OEQ, Clermont Building Inspection Department	Attend the annual Ohio Stormwater Conference	Yes	Storm water BMPs, stream restoration, watershed and land management issues	Storm water management professionals	3	Yes

Summary of Activity: From May 10-12, the SWCD Director, OEQ Project Manager, and the Building Department's stormwater engineer attended the annual Ohio Storm Water Conference in Sandusky, OH. The conference included multiple sessions on BMPs, stream restoration, storm water management, watershed and land use issues.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
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Employee Training Program 7	Batavia Twp, Batavia V, Goshen Twp, Miami Twp, Monroe Twp, Pierce Twp, Union Twp, Tate Twp, Williamsburg Twp, Williamsburg V, Clermont SWCD, Clermont OEQ, Clermont Engineer, Clermont Water Resources Dept (IWPT)	MS4/SWMP overview training	Yes	Illicit discharge detection & elimination	Clermont County MS4 co-permittees	25	Yes
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Summary of Activity: On November 17, Clermont SWCD hosted a training session on illicit discharge detection and elimination, featuring a presentation from Keith Wise, Ohio EPA Office of Emergency Response.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 3	Clermont SWCD	Attend OKI Regional Conservation Council annual meeting	Yes	Conservation subdivisions, stream and wetland mitigation	Environmental professionals	2	Yes

Summary of Activity: On June 1, two Clermont SWCD employees attended OKI Regional Conservation Council's annual meeting titled "Conservation in the Tri-State." Topics included stormwater management, stream restoration and rain barrels

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 5	Clermont SWCD	Obtain Inspection and Maintenance Certification of Stormwater Control Measures	Yes	Construction and post-construction BMP inspection and maintenance	Clermont SWCD Inspector	1	Yes

Summary of Activity: In October 2023, the Clermont SWCD building site inspector attended the Inspection and Maintenance of Stormwater Controls course hosted by Ohio State University and Summit SWCD and received his certification.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 6	Clermont SWCD, Clermont OEQ	Water Management Association of Ohio (WMAO) annual conference	Yes	Watershed management, nonpoint source management	Environmental professionals	2	Yes

Summary of Activity: The Clermont SWCD director and Clermont OEQ project manager attended the annual WMAO conference from Nov 7-8, 2024. They also gave a presentation on the Williamsburg nutrient removal wetland project.

Comments:

BMP (mechanism)	List of Municipal Facilities Subject to Program	O&M Procedures Developed?	# of Inspections Performed	Frequency of Inspections

Municipal Facilities	Facilities include 1,077 miles of county, township and municipal roads and associated storm sewers and roadside ditches, service department facilities for each of the 15 co-permittees, 45 parks, nature preserves and greenspaces, and 41 cemeteries		Yes	13700	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	3544 Tons	Four co-permittees (Batavia Village, Miami Twp, Union Twp, Clermont County) also used 10,243 gallons of brine. The County Engineer also used 6,800 gallons of the more environmentally friendly Beet Heet deicer. 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	1100 Gallons	Miami Township also used 64.5 lbs of dry herbicide. Note that some co-permittees track usage of undiluted pesticides while others report the mixed amount. Measures to minimize usage varies. Seven co-permittees did not use any pesticides in 2023. 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	68746 Pounds	Miami Township also used 514 gallons of liquid fertilizer. Not all co-permittees use fertilizers - 10 applied none in 2022. 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	145 cubic yards. Only the County Engineer's Office, City of Milford and Batavia Village conduct street sweeping. 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 2023				
BMP (mechanism)	Summary				

No records found

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

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

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Inspections of Municipal Facilities	All Clermont County MS4 Co-permittees	Inspections of individual MS4 systems, service department grounds, fleet maintenance facilities, parks, cemeteries and other facilities according to their existing schedules	Each co-permittee will continue to inspect their individual MS4 systems, service department grounds, fleet maintenance facilities (if they exist), parks, cemeteries and other facilities according to their existing schedules. Those co-permittees with full fleet maintenance facilities (County Engineer, Miami Twp, Union Twp) conduct formal facility inspections and visual screening of outfalls on a quarterly basis, and an end-of-year comprehensive inspection with the SWCD Administrator.	Inspection schedules vary by co-permittee. Activities will be conducted year-round.
Comments: N/A				
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 2024
Comments: N/A				
Employee Training	All Clermont County MS4 Co-permittees, Clermont SWCD	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. Clermont SWCD will purchase a pollution prevention training video and make it available to all Clermont County co-permittees to allow them to train new service department staff	Ohio Storm Water Conference - May 2024; Clermont SWCD Training Seminar - October 2024, Storm Water Management Field Day - September 2024
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 2024
Comments: N/A				
Disposal of Wastes Collected from MS4	All Clermont County MS4 Co-permittees	Proper disposal of waste collected from the MS4	Waste collected from the MS4 may be disposed of in one of three ways. If the waste is uncontaminated soil/sediment or vegetation, this may be used as fill or mulch on public properties such as parks and cemeteries (excluding swales, ditches and streams). Any garbage/trash collected will be disposed of as solid waste. Any waste contaminated with oil or other hazardous material will be disposed of as hazardous waste.	Year round
Comments: N/A				

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
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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.

N/A

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.

Additional Information attachment(s): [2023 Phase II Annual Report_Pollution Prevention_County.pdf](#)