



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

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|--|--|---|------------------------|
| Small MS4 Annual Report for Year: 2023 | | Ohio EPA Facility Permit Number: 1GQ00036*CG | |
| Name of MS4: Deerfield Township | | | |
| Mailing Address: 4900 PARKWAY DR, STE 150 | | | |
| City: DEERFIELD TWP | | State: OH | Zip Code: 45040 |
| Country: USA | | County: WARREN | |
| Primary Contact: Jeff Thomas | | Title: Stormwater Manager | |
| Email Address: jthomas@deerfieldtwp.com | | Phone: (513) 701-6958 | 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: 2023 org chart.pdf
 see attached org chart. Deerfield Township contracts with Warren County Soil and Water Conservation District to partner on MCM's 1-6.

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.

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|---|--|
| Applicant Name: Jeff Thomas | Title: Stormwater Manager |
| Signature: Electronically submitted by JeffThomas | Date: Electronically submitted on 03/25/2024 |

PUBLIC EDUCATION AND OUTREACH

Estimate Your Permit Area of Total Population: 40525

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | % Target Audience | Effective |
|--|--|--|--|---|-------------------|-----------|
| Storm Water Program Support Mechanisms | Deerfield Regional Stormwater District | Maintain DRSWD website. Upload program reports to the website for viewing. Maintain a storm water hotline. | Watershed Awareness, Nutrifcation, Sedimentation, Hydromodification, Household Hazardous Waste | Residents, Students, Developers, Businesses | 100 | Yes |

Summary of Results: Maintained the DRSWD website which includes the annual report, current storm water management plan and public record policy. The storm water hotline received 99 calls; Calls are returned within three days of receiving messages. There were 24 requests for assistance that resulted in 21 projects (15 completed/6 still in the engineering/construction phase).

Comments: In 2019, the Township IT staff migrated the DRSWD website over to the Township's website. This is to allow more consistency, more timely updating of information, and ease of access for Township residents. As part of the transition, some of the information that was previously available was taken down but resources will be added back as the site is improved.

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| Storm Water Material Distribution Mechanisms | Deerfield Regional Stormwater District | Promote current theme to 20% of residents utilizing at least two public education mechanisms and regional partnerships. | Watershed Awareness, Nutrifcation, Sedimentation, Hydromodification, Household Hazardous Waste | Residents, Students, Developers, Businesses | 100 | Yes |
|--|--|---|--|---|-----|-----|

Summary of Results: WCSWCD presented material to Deerfield Township school age children reaching 2,436 students and 221 adults. In 2023, Warren Co SWCD had 12,500 Youtube views, sent out e-newsletters and blog articles to 9,500 people, had 56,700 Facebook hits, and 386 Instagram views. The Regional Storm Water Collaborative, which Deerfield Regional Storm Water District is a member of, promoted a "Take Back Your Lawn" media campaign which reached a total 97,095 people. The total social media public reach for Save Local Waters was 1,141,355. The Regional Storm Water Collaborative also hosted an H2Ohio workshop which had 31 attendees and hosted a storm water field day reaching 155 citizens. Save Local Waters partnered with the Newport Aquarium's WAVE program to bring "Touch Tank" experiences to children and families (4,434 participants). Deerfield Township also co-sponsors the Ohio Stormwater Conference.

Comments: Media outreach is available to 100% of the population. Some events are considered Warren County-wide events or region-wide events. A percentage of this number is expected to be Deerfield Township residents.

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|-----------------------------|--|---|--------------------------------------|---|-----|-----|
| MS4 Identification Measures | Deerfield Regional Stormwater District | Tag all new storm inlets and maintain existing tags within the Township. Maintain signage at stream crossings, inspect once per year. | Storm Water Infrastructure Awareness | Residents, Students, Developers, Businesses | 100 | Yes |
|-----------------------------|--|---|--------------------------------------|---|-----|-----|

Summary of Results: Maintained existing tags. Checks are done yearly.

Comments: The Deerfield Regional Stormwater District contracts with the Warren County Soil and Water Conservation District to complete the storm inlet tagging project. All new construction is required to have a water quality (WQ) message cast into the grate or cover.

PUBLIC EDUCATION & OUTREACH

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

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | % Target Audience | Proposed Schedule |
|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-------------------|
|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-------------------|

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|---|--|---|--|---|-----|---|
| Evaluate Public Education and Outreach BMPs | Deerfield Regional Stormwater District | Confirm that goals are relevant, quantitative and achievable. | Watershed Awareness, Nutrifcation, Sedimentation, Hydromodification, Household Hazardous Waste | Residents, Students, Developers, Businesses | 100 | Following the end of the 2024 reporting year. |
|---|--|---|--|---|-----|---|

Summary of Planned Activities: Confirm whether the measurable goals associated with Public Education and Outreach BMPs are relevant, quantitative and achievable at the end of each program year. The DRSWD evaluates the SWMP BMPs and measurable goals while preparing the annual report each program year.

Comments: N/A

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|-----------------------------------|--|--|--|---|-----|------------------|
| Storm Water Material Distribution | Deerfield Regional Stormwater District | Reach at least 20% of the Township's population utilizing at least two (2) public outreach mechanisms each program year. | Watershed Awareness, Nutrifcation, Sedimentation, Hydromodification, Household Hazardous Waste | Residents, Students, Developers, Businesses | 100 | Througho ut 2024 |
|-----------------------------------|--|--|--|---|-----|------------------|

Summary of Planned Activities: Target a watershed awareness theme. WCSWCD will utilize presentation mechanisms to reach school children and residents. Information on the year's theme will be distributed at public outreach events. The DRSWD will continue to support the Regional Storm Water Collaborative outreach mechanisms and maintain an informational website for web-based outreach.

Comments: n/a

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|--|--|--|--|---|-----|------------------|
| Storm Water Program Support Mechanisms | Deerfield Regional Stormwater District | Maintain DRSWD website. Upload reports to the website for public viewing. Maintain a storm water hotline and RSWC partnership. | Watershed Awareness, Nutrifcation, Sedimentation, Hydromodification, Household Hazardous Waste | Residents, Students, Developers, Businesses | 100 | Througho ut 2024 |
|--|--|--|--|---|-----|------------------|

Summary of Planned Activities: Maintain the DRSWD website and upload all program reports to the website. Maintain the storm water hotline. Return calls within three days of receiving messages. Respond to all Request for Assistance forms.

Comments: n/a

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|-----------------------------|--|--|--------------------------------------|---|-----|------------------|
| MS4 Identification Measures | Deerfield Regional Stormwater District | Tag all new storm inlets without a WQ message, and maintain existing tags within the Township. Maintain signage at stream crossings and inspect once per year. | Storm Water Infrastructure Awareness | Residents, Students, Developers, Businesses | 100 | Througho ut 2024 |
|-----------------------------|--|--|--------------------------------------|---|-----|------------------|

Summary of Planned Activities: Place storm drain tags on new inlets without a WQ message and maintain existing tags as needed. Perform annual signage inspections.

Comments: The Deerfield Regional Stormwater District contracts with the Warren County Soil and Water Conservation District to facilitate storm drain labeling.

PUBLIC INVOLVEMENT AND PARTICIPATION

| BMP (mechanism) | Responsible Party | Measurable Goal | Theme or Message | Target Audience | Estimate Of People Participated | Effective |
|---------------------------------|--|--|--|-----------------|---------------------------------|-----------|
| Public Participation Mechanisms | Deerfield Regional Stormwater District | Support one public participation activity each year. | Pollution prevention and low impact development (rain barrels) Fertilizer and Nutrient Runoff Reduction. | Residents | 1811 | Yes |

Summary of Results: A touch a truck event reached 1,700 citizens. Two in-person rain barrel workshops reached 38 people. Cops and Bobbers fishing derby reached 175 people and a vermicomposting workshop reached 20 people. Save Local Waters/Regional Stormwater collaborative held a Rain Barrel Art Project, which reached 221,615 Cincinnati zoo members.

Comments: Deerfield Township contracts with Warren County Soil and Water Conservation District to carry out outreach efforts.

| | | | | | | |
|------------------------------|--|---|---|----------------------------------|---|-----|
| Public Involvement Mechanism | Deerfield Regional Stormwater District | Hold monthly public meetings and address private property storm water issues. | Local storm water issues and storm water maintenance. | Residents, Business Owners, HOAs | 9 | Yes |
|------------------------------|--|---|---|----------------------------------|---|-----|

Summary of Results: Held 12 regular public meetings. Maintained a program to address private property storm water concerns. Presented private property damage reports at public meetings to allow for public comment and feedback. Four residents participated in the public meetings.

Comments: Monthly meetings will inform the public of local storm water issues and provide a forum for public input. All meetings are open to the public and live streamed on through the Township's website. Private property storm water issues were addressed in accordance with the most recent DRSWD Code of Regulation.

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 |
|------------------------------|--|--|---|-----------------------------|-----------------------------------|---|
| Public Involvement Mechanism | Deerfield Regional Stormwater District | Hold monthly public meetings, provide a forum for public input, and address private property storm water issues. | Local storm water issues and storm water maintenance. | Residents, Businesses, HOAs | 10 | Hold meetings during the second week of each month. |

Summary of Planned Activities: Hold regular public meetings. Maintain a program to address private property storm water concerns. Present private property drainage investigation reports at public meetings to allow for public comment and feedback.

Comments:

| | | | | | | |
|--|--|---|---|-----------------------------|---|---|
| Evaluate Public Participation and Involvement BMPs | Deerfield Regional Stormwater District | Confirm that goals are relevant, quantitative and achievable. | Local storm water issues and storm water maintenance. | Residents, Businesses, HOAs | 5 | Following the end of the 2024 reporting year. |
|--|--|---|---|-----------------------------|---|---|

Summary of Planned Activities: The Deerfield Regional Stormwater District evaluates the SWMP BMPs and measurable goals while preparing the annual report each program year.

Comments: N/A

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|---------------------------------|--|---|--|-----------|----|------------------|
| Public Participation Mechanisms | Deerfield Regional Stormwater District | Support one public participation activity each year and advertise one public involvement opportunity. | Pollution prevention and low impact development (rain barrels) Fertilizer and Nutrient Runoff Reduction. | Residents | 50 | Through out 2024 |
|---------------------------------|--|---|--|-----------|----|------------------|

Summary of Planned Activities: The Deerfield Regional Stormwater District contracts with the Warren County Soil and Water Conservation District to implement a public participation activity each year as well as advertise the event in one of the District's outreach mechanisms. The activities hosted for public participation include such things as stream clean-ups, rain barrel workshops, and other activities as requested.

Comments: Deerfield Township contracts with Warren County Soil and Water Conservation District to carry out outreach efforts.

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 | Deerfield Regional Stormwater District | Report all relevant illicit discharges to enforcement agency. | Yes | Resolution 2021-36 - Stormwater Management Program Regulations and Warren County Combined Health District Sewage Treatment System Regs. | Yes |

Summary of Results or Activities: Worked with Warren County SWCD and Strand and Associates to draft a new IDDE Ordinance in 2021.

Comments: Deerfield Township leads efforts to eliminate any illicit discharges that are found with ultimate enforcement provided by Ohio EPA.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |
|------------------------|--|--|-----------|--|-----------|
| Storm Sewer System Map | Warren County Soil and Water Conservation District | Maintain storm sewer map with infrastructure and surface water locations. Develop a list of outfalls for inspection. | Yes | Maintained storm sewer map with all new subdivisions and storm sewers with infrastructure and surface water locations. | Yes |

Comments: Deerfield Township contracts with Warren County SWCD.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |
|-----------------------|-------------------------------|-----------------|-----------|---|-----------|
| HSTS Mapping and List | Warren County Health District | Updated map | Yes | Warren County Health District updates the County GIS HSTS information each year. Warren county Health District uses the Health Department System (HDIS) to input and house inspection reports of home sewage treatment systems. | Yes |

Comments: Data is kept at the Warren County GIS Department.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Summary of Activities or Updates | Effective |
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| IDDE Plan | Deerfield Regional Stormwater District | Maintain a hotline for reporting illegal dumping and suspicious discharges. Eliminate illicit discharges that are found. | Yes | <p>IDDE program in place. Warren County Soil and Water handles IDDE complaint calls, investigates, researches, drafts letter and then makes a site visit to educate homeowner(s) about storm drains and pollutants. Provides recommendations and has an escalation procedure in place in county Stormwater regulations. If polluting activities aren't ceased, the issue could be declared a public nuisance and fines assessed through county Prosecutor. Warren County Soil & Water has limited testing equipment and samples can be sent to a lab for screening. Summer interns inspect outfalls and look for dry weather flows as possible IDDE sources. There are 707 total outfalls in Deerfield Township. Warren County Soil & Water Conservation District inspects 20% of the outfalls each year, to meet the total required by the 5-year permit. In 2023, 129 outfalls were inspected. 29 dry weather flows were found. One was determined to be an IDDE, which was resolved through educating nearby residents on storm drains and pollutants.</p> | 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 | Deerfield Regional Stormwater District | Identify non-storm discharges to Township's MS4. | Yes | 707 | 129 | 29 | 1 | 1 | Yes |

Comments: The enforcement agency includes Deerfield Township and the Ohio EPA. Township is developing an illicit discharge and detection and elimination regulation. The township adopted new regulations during 2022. All dry-weather flows are set as priority sites for the next year.

Upload File Name for the Illicit Discharges: Deerfield_Annual Report.xlsx

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

No records found

ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

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

| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
|-----------------|-------------------|-----------------|-------------------------------|-------------------|
|-----------------|-------------------|-----------------|-------------------------------|-------------------|

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| Ordinance or Other Regulatory Mechanism | Deerfield Regional Stormwater District (DRSWD) | Report all relevant illicit discharges to the WCCHD or other applicable enforcement agency. | Track and report all identified illicit discharges to Deerfield Township's MS4. | Illicit discharges and areas where suspect illicit discharges have been reported will be revisited six months after initial report. |
|---|--|---|---|---|

Comments: Those participating agencies without legal authority to take enforcement action against the sources of illicit discharges are prepared to forward information to those agencies with legal authority. Illicit discharges are prohibited by the Ohio Revised Code Chapter 3718, Ohio Administrative Code Chapter 3701-29, and by the "Warren County Combined Health District Sewage Treatment System Regulations." The Township adopted new regulations during 2021. These new regulations give regulatory authority to the Township.

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|-----------------------------------|--|---|---|------------------|
| Dry-Weather Screening of Outfalls | Deerfield Regional Stormwater District (DRSWD) | Identify non-storm discharges to Township's MS4. Maintain a hotline for illicit discharges and illegal dumping reports. | The DRSWD has screened all outfalls during the permit period. Now relying on the reactive portion of the program for detection of an illicit discharge. | Throughout 2024. |
|-----------------------------------|--|---|---|------------------|

Comments: Cooperate with appropriate agencies to eliminate all identified illicit discharges. Maintain a hotline for citizens to report illegal dumping and suspicious discharges. Provide hotline phone number to residents in at least one education and outreach publication. Those participating agencies without legal authority to take enforcement action against the sources of illicit discharges are prepared to forward information to those agencies with legal authority.

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|------------------------|--|--|---|-----------------|
| Storm Sewer System Map | Deerfield Regional Stormwater District (DRSWD) | Maintain storm sewer map with infrastructure and surface water locations. Develop a list of outfalls for inspection. | The DRSWD will work with Warren County Soil and Water Conservation District to continue to add new infrastructure to the dataset so that the map remains current. | Throughout 2024 |
|------------------------|--|--|---|-----------------|

Comments: The DRSWD contracts with the Warren County Soil and Water Conservation District to update and maintain the storm sewer system mapping for Deerfield Township.

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|-----------------------|--------------------------------------|---|--|-----------------|
| HSTS Mapping and List | Warren County Health District (WCHD) | Maintain an up-to-date Home Sewage Treatment System (HSTS) map. | The District defers to the WCEO for map updates as they collaborate with the WCHD for adding new data. All inspections made by the WCHD is kept in the Health District Information System. | Throughout 2024 |
|-----------------------|--------------------------------------|---|--|-----------------|

Comments: Warren County health District uses the Health Department Information System (HDIS) to input and house inspection reports of home sewage treatment systems.

| | | | | |
|-----------|--|---|---|------------------------------------|
| IDDE Plan | Deerfield Regional Stormwater District (DRSWD) | Confirm that goals associated with IDDE BMPs are relevant, quantitative and achievable. | The DRSWD evaluates the SWMP BMPs and measurable goals while preparing the annual report each program year. | At the end of the reporting cycle. |
|-----------|--|---|---|------------------------------------|

Comments: Updates to the SWMP have been drafted.

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 | Deerfield Regional Stormwater District | Verify that regulations comply with State regulations. | Yes | Resolution 2021-36 - Stormwater Management Program Regulations. | Yes |

Summary of Results or Activities: Updating Regulations

Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of MCM 4 of the permit.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Standards Being Used | | Effective | |
|--|--|--|-----------|--|-------------------------------------|-------------------|-----------|
| Sediment and Erosion Control Requirements | Deerfield Regional Stormwater District | Continue to administer the regulations. | Yes | Resolution 2021-36 - Stormwater Management Program Regulations | | Yes | |
| Summary of Results or Activities: Maintained the Erosion and Sediment Control program. | | | | | | | |
| Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of MCM 4 of the permit. | | | | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Number of Complaints Received | Number of Complaints Followed Up On | Effective | |
| Complaint Process | Deerfield Regional Stormwater District | Respond to all complaints | Yes | 7 | 7 | Yes | |
| Summary of Results or Activities: Seven site complaints were received for active construction sites. All complaints were followed up on and resolved. | | | | | | | |
| Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of MCM 4 of the permit. | | | | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Sites Requiring Plans | # of Plans Reviewed | Effective | |
| Site Plan Review Procedures | Deerfield Regional Stormwater District | Review plans for all projects >1 acre in size. | Yes | 5 | 5 | Yes | |
| Summary of Results or Activities: Reviewed all plans for projects >1 acre in size. Request revision or approve plans within 10 working days of receipt. | | | | | | | |
| Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of MCM 4 of the permit. | | | | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Applicable Sites | # of Sites Inspected | Average Frequency | Effective |
| Site Inspection Procedures | Deerfield Regional Stormwater District | Comply with inspection procedures outlined in the WC Erosion and Sediment Control Regulations. | Yes | 16 | 176 | 1 | Yes |
| Summary of Results or Activities: Implemented the regulations by performing inspections. Active sites are inspected monthly. If there are concerns at sites, these sites are inspected at a greater frequency. | | | | | | | |
| Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of MCM 4 of the permit. | | | | | | | |
| Upload File Name(s) for Applicable Sites: 2023 Deerfield Twp Inspection Tracking.xlsx | | | | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Violation Letters | # of Enforcement Actions | Effective | |
| Enforcement Procedures | Deerfield Regional Stormwater District | Ensure compliance with Resolution 2021-36 - Stormwater Management Program Regulations. | Yes | 3 | 0 | Yes | |
| Summary of Results or Activities: Enforce compliance as required by Resolution 2021-36 - Stormwater Management Program Regulations. | | | | | | | |
| Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of MCM 4 of the permit. | | | | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Measurements | | Effective | |
| No records found | | | | | | | |
| CONSTRUCTION SITE RUNOFF CONTROL | | | | | | | |
| <i>Summarize activities you plan to undertake during the next reporting cycle.</i> | | | | | | | |

| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | | Proposed Schedule |
|--|--|--|--|--|-------------------|
| Site Plan Review Procedures | Deerfield Regional Stormwater District | Review plans for all projects >1 acre in size. | Implement the regulations by performing inspections | | Throughout 2024 |
| Comments: Deerfield Township is developing an erosion and sediment control regulation. The Township adopted new regulations during the first half of 2021. The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. | | | | | |
| Ordinance or Other Regulatory Mechanism | Deerfield Regional Stormwater District | Support and enforce regulations for all required projects. | Will work with the BOCC to revise any regulation that needs updating. | | Throughout 2024 |
| Comments: Deerfield Township is developing an erosion and sediment control regulation. The Township adopted new regulations during the first half of 2021. The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. | | | | | |
| Sediment and Erosion Control Requirements | Deerfield Regional Stormwater District | Review, support and enforce sediment and erosion control requirements. | Maintain the Erosion and Sediment Control program. Incorporate current version of Ohio EPA's Construction General Permit into local regulations. | | Throughout 2024 |
| Comments: Deerfield Township is developing an erosion and sediment control regulation. The Township adopted new regulations during the first half of 2021. The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. | | | | | |
| Complaint Process | Deerfield Regional Stormwater District | Respond to all complaints within one week of receipt. | Track and respond to all complaints. | | Throughout 2024 |
| Comments: Deerfield Township is developing an erosion and sediment control regulation. The Township adopted new regulations during the first half of 2021. The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. | | | | | |
| Enforcement Procedures | Deerfield Regional Stormwater District | Ensure compliance with County Erosion and Sediment Control regulations. | Enforce compliance as required by the Warren County Erosion and Sediment Control Regulations. | | Throughout 2024 |
| Comments: Deerfield Township is developing an erosion and sediment control regulation. The Township adopted new regulations during the first half of 2021. The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. | | | | | |
| Site Inspection Procedures | Deerfield Regional Stormwater District | Comply with inspection procedures outlined in the WC Erosion and Sediment Control Regulations. | Enforce compliance as required by the Warren County Erosion and Sediment Control Regulations. | | Throughout 2024 |
| Comments: Deerfield Township is developing an erosion and sediment control regulation. The Township adopted new regulations during the first half of 2021. The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. | | | | | |
| 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 | Deerfield Regional Stormwater District | Require post-construction BMPs per the applicable design criteria within the regulations. | Yes | Resolution Number 2021-36. | Yes |
| Summary of Results or Activities: Regulations were enforced throughout 2023. | | | | | |
| Comments: | | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Structural and/or Non-Structural Standards Being Used | Effective |

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|--------------------------------|--|---|-----|--|-----|
| Post-Construction Requirements | Deerfield Regional Stormwater District | Maintain compliance of rules and regulations. | Yes | Resolution 2021-36 - Stormwater Management Program Regulations | Yes |
|--------------------------------|--|---|-----|--|-----|

Summary of Results or Activities: Implemented and enforced the resolution 2021-36.

Comments: Warren County Engineer's Office provides oversight to MCM 5 per the Deerfield Regional Stormwater District Stormwater Management Plan.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Applicable Sites Requiring Plans | # of Plans Reviewed | Effective |
|-----------------------------|--|---|-----------|---------------------------------------|---------------------|-----------|
| Site Plan Review Procedures | Deerfield Regional Stormwater District | Review site plans for all applicable sites. | Yes | 5 | 5 | Yes |

Summary of Results or Activities: All applicable site plans were reviewed. Reviews are performed by Warren County Engineer's Office per Deerfield Regional Stormwater District SWMP.

Comments: Warren County Engineer's Office provides oversight to MCM 5 per the Deerfield Regional Stormwater District Stormwater Management Plan.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Applicable Sites | # of Inspections Performed | Average Frequency | Effective |
|----------------------------|--|--|-----------|-----------------------|----------------------------|-------------------|-----------|
| Site Inspection Procedures | Deerfield Regional Stormwater District | Inspect all post-construction BMPs at applicable sites annually. | Yes | 311 | 62 | 1 | Yes |

Summary of Results or Activities: Completed site inspections on all applicable sites. All water quality basins are inspected annually and all others are inspected once per permit cycle.

Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit. 20% of the area's total basins are inspected each year.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | # of Violation Letters | # of Enforcement Actions | Effective |
|------------------------|--|---|-----------|------------------------|--------------------------|-----------|
| Enforcement Procedures | Deerfield Regional Stormwater District | Send letters to applicable systems that don't meet rules and regulations. | Yes | 0 | 0 | Yes |

Summary of Results or Activities: No violation letters were sent in 2023.

Comments: The Township contracts with Warren County Soil and Water Conservation District to fulfill the requirements of the permit.

| 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 | WCEO, DRSWD, WCSWCD | Require O&M agreements for applicable sites. | Yes | 5 | 5 | Yes |

Summary of Results or Activities: O&M agreements are held by the HOA in a subdivision and are the responsibility of the individual lot owner once the site is complete and bond is released. Subdivision regulations require the developer to pass the post-construction controls to the HOA.

Comments: Warren County Engineer's Office provides oversight to MCM 5 per the Deerfield Regional Stormwater District Stormwater Management Plan.

| BMP (mechanism) | Responsible Party | Measurable Goal | Completed | Measurement 1 | Measurement 2 | Effective |
|-----------------|-------------------|-----------------|-----------|---------------|---------------|-----------|
|-----------------|-------------------|-----------------|-----------|---------------|---------------|-----------|

No records found

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

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

| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
|-----------------|-------------------|-----------------|-------------------------------|-------------------|
|-----------------|-------------------|-----------------|-------------------------------|-------------------|

| | | | | | | | |
|--|--|---|---|-----------------|-------------------|-------------------------|-----------|
| Enforcement Procedures | Deerfield Regional Stormwater District | Enforce the Rules and Regulations as applicable. | Enforce rules and regulations. | Throughout 2024 | | | |
| Comments: The Deerfield Regional Stormwater District relies on Warren County Engineer's Office to enforce the rules and regulations for post--construction standards during the plan review stage, throughout construction, and prior to releasing a project's bond. Warren County Soil and Water Conservation District is relied upon to issue letters of violation after inspection of BMPs. Inspections letters are generated and sent to property owners for all BMPs that require maintenance. | | | | | | | |
| Long-Term O&M Plans/Agreements | Deerfield Regional Stormwater District | Develop long-term O&M plans for all applicable sites. | Long-term O&M plans will continue to be required through active regulations. | Throughout 2024 | | | |
| Comments: Long term operation and maintenance of the storm water system is addressed in the Warren County Subdivision Regulations whereby, "The developer of any subdivision with a storm water system must provide the Regional Planning Commission with written evidence of a perpetual maintenance agreement and the manner in which it is to be funded" (pg. 48). In addition, as-builts are required for all components of the storm water system before the project's bond is released from the Warren County Engineer's Office. | | | | | | | |
| Site Inspection Procedures | Deerfield Regional Stormwater District | Inspect all post-construction BMPs at applicable sites annually. | Continue site inspections. | Throughout 2024 | | | |
| Comments: The Deerfield Regional Stormwater District relies on Warren County Soil and Water Conservation District to perform site inspections on post-construction BMPs and issue maintenance need letters. The Warren County Soil and Water Conservation District in cooperation with the Warren County Engineer's Office inspects all post-construction storm water BMPs on a biennial basis, or yearly if the BMP is designed to treat storm water quality. The inspection history and location of all BMPs is managed in a GIS database that includes photographs of the BMPs, as-built information, and recommended maintenance comments. | | | | | | | |
| Post-Construction Requirements | Deerfield Regional Stormwater District | Maintain compliance of rules and regulations. | Continue to implement and enforce Resolution 2021-36 - Stormwater Management Program Regulations | Throughout 2024 | | | |
| Comments: The Deerfield Regional Stormwater District relies on Warren County Engineer's Office to review plans and Warren County Soil and Water Conservation District to enforce these regulations. | | | | | | | |
| Ordinance or Other Regulatory Mechanism | Deerfield Regional Stormwater District | Require post-construction BMPs per the applicable design criteria within the regulations. | Continue to implement and enforce Resolution 2021-36 - Stormwater Management Program Regulations. | Throughout 2024 | | | |
| Comments: The Deerfield Regional Stormwater District relies on the Warren County Engineer's office to review designs. | | | | | | | |
| Site Plan Review Procedures | Deerfield Regional Stormwater District | Review all site plans for applicable sites within the Township. | Continue sites plan reviews. | Throughout 2024 | | | |
| Comments: Implement the newly developed pre- and post--development release rate tables and hydrographs during the site plan reviews of all applicable sites within the Township. The Deerfield Regional Stormwater District developed pre- and post-development release rate tables and hydrographs as part of the Township's storm water master plan for application in site plan reviews. | | | | | | | |
| 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 | Deerfield Township | Provide storm water management education to 100% of applicable employees each year. | Yes | Roadway Deicing, Spill Prevention, Materials Management, Vehicle Fueling, Good Housekeeping, Hazard Communication, Safety, Stormwater Management, Stormwater Pollution Prevention | Available to all MS4 Facility Employees and the Stormwater Manager | 14 | Yes |
|---------------------------|--------------------|---|-----|---|--|----|-----|

Summary of Activity: In 2023 Warren County Soil & Water conducted the annual facility walkthrough and stormwater pollution prevention presentation to 14 employees.

Comments: Deerfield Township Public Works administrative staff (3 employees) attend storm water pollution prevention trainings, seminars, and workshops and transfer that knowledge to Service Department staff through tailgate meetings, regular safety meetings, etc.

| BMP (mechanism) | List of Municipal Facilities Subject to Program | | O&M Procedures Developed? | # of Inspections Performed | Frequency of Inspections |
|-----------------------------|---|---|---|----------------------------|--------------------------|
| Municipal Facilities | Service Department Facility | | Yes | 2 | Bi-annually |
| BMP (mechanism) | Summarize Maintenance Activities and Schedules | | Summarize Activities Performed | | |
| MS4 Maintenance | Maintained the Township's MS4 within the right-of-way. | | Maintenance was performed as needed. | | |
| BMP (mechanism) | Procedures Developed? | Document Amounts of Wastes Properly Disposed | | | |
| Disposal of Wastes | Yes | Eight hundred fifty gallons of oil recycled, 60 tons of leaves, and 190 tons of chipped brush were collected. | | | |
| BMP (mechanism) | Covered? | Tons Used | Summarize Measures Taken to Minimize Usage | | |
| Road Salt | Yes | 1173 Tons | Proper application methods and current technology were used. Road salt is stored in a roofed building. Beet Heet is used to reduce the amount of road salt applied. | | |
| BMP (mechanism) | Procedures Developed? | Gallons Used | Summarize Measures Taken to Minimize Usage | | |
| Pesticide & Herbicide Usage | Yes | 7 Gallons | RoundUp Pro, Strike, Sticker and Confront are used. Droplex drift reducer is used. Employees have Ohio pesticide applicator licenses. Employees follow label application rates. | | |
| BMP (mechanism) | Procedures Developed? | Pounds Used | Summarize Measures Taken to Minimize Usage | | |
| Fertilizer Usage | Yes | 0 Pounds | No fertilizer is used. | | |
| BMP (mechanism) | Procedures Developed? | Document Amount of Material Collected and Properly Disposed | | | |
| Street Sweeping | Yes | 25.5 tons of street sweeping disposed of via Republic Services. | | | |
| BMP (mechanism) | Summarize Any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality | | | | |
| Flood Management Projects | None | | | | |

| BMP (mechanism) | Summary | | | |
|--|--------------------|--|--|------------------------------------|
| No records found | | | | |
| POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS | | | | |
| <i>Summarize activities you plan to undertake for the next reporting cycle.</i> | | | | |
| BMP (mechanism) | Responsible Party | Measurable Goal | Summary of Planned Activities | Proposed Schedule |
| Fertilizer Usage | Deerfield Township | Minimize fertilizer usage at Township Parks. | Continue to minimize/not apply fertilizer at Township Parks. Track usage. | Throughout 2024 |
| Comments: The DRSWD relies on the Township to oversee fertilizer usage. | | | | |
| Pesticide and Herbicide Usage | Deerfield Township | Minimize pesticide and herbicide application. | Continue to minimize pesticide and herbicide applications. Track usage. | Throughout 2024 |
| Comments: The DRSWD relies on the Township to oversee pesticide and herbicide application. Township employees follow label rates. Township employees have their Ohio pesticide applicator license. | | | | |
| Employee Training Program | Deerfield Township | Provide storm water pollution prevention training to 100% of applicable Deerfield Township Service Department employees. | Deerfield Township will continue to provide storm water pollution prevention training to their service department employees. | Provide training as needed in 2024 |
| Comments: Deerfield Township will continue to provide storm water pollution prevention training to its employees. | | | | |
| Street Sweeping | Deerfield Township | Track amount of material collected and disposed of for each street sweeping event. | Continue to track the amount of material collected and continue to perform two sweeping events. | Throughout 2024 |
| Comments: The DRSWD relies on the Township to oversee street sweeping. | | | | |
| Road Salt | Deerfield Township | Work to minimize salt usage while maintaining road safety. | Incorporate the use of road salt storage control and implement road salt alternatives for roadway de-icing. Track usage. | Throughout 2024 |
| Comments: The DRSWD relies on the Township to oversee road salt usage. | | | | |
| MS4 Maintenance | Deerfield Township | Maintain the Township's MS4 within the right-of-way. | The DRSWD relies on the Township and Warren County to maintain infrastructure within their respective right-of-way. | Throughout 2024 |
| Comments: | | | | |
| Municipal Facilities | Deerfield Township | Implement inspections procedures for Township facilities and track waste disposal. | The DRSWD relies on the Township to inspect its facilities. | Throughout 2024 |
| Comments: | | | | |
| Disposal of Wastes | Deerfield Township | Collect and recycle used oil | Continue to collect and recycle used oil. | Throughout 2024 |
| Comments: | | | | |

| | | | | |
|---------------------------|--------------------|---|--|--|
| Flood Management Projects | Deerfield Township | Undertake flood management projects within the purview of the Township's Public Works Department. | Work with Deerfield Regional Storm Water District to respond to storm water complaints that fall under the purview of Deerfield Township Public Works. | Be responsive to all applicable problems throughout 2024 |
|---------------------------|--------------------|---|--|--|

Comments: The DRSWD relies on the Township to undertake flood management projects within the Township right-of-way.

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 changes are currently proposed for 2024.

VARIANCES GRANTED (IF ANY)

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

ADDITIONAL INFORMATION

Please add any additional comments or attachments below.

Additional Information attachment(s): Deerfield_Annual Report.xlsx