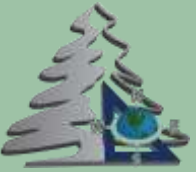


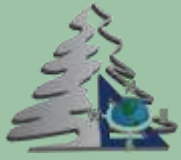
Delaware County Stormwater Management Ordinance Update



Anne Stauffer
Senior Planner
Delaware County Planning Department
(610) 891-4910
StaufferA@co.delaware.pa.us



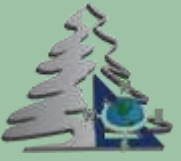
Beth Uhler
Project Manager
CEDARVILLE Engineering Group, LLC
610-705-4500
buhler@cedarvilleengineering.com



Reason for the Update

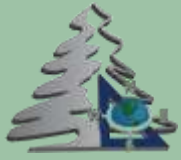


- **Increased rainfall** event frequency and intensity
- Protection and improvement of **water quality**
- NPDES MS4 Permit **requirement**



Outline

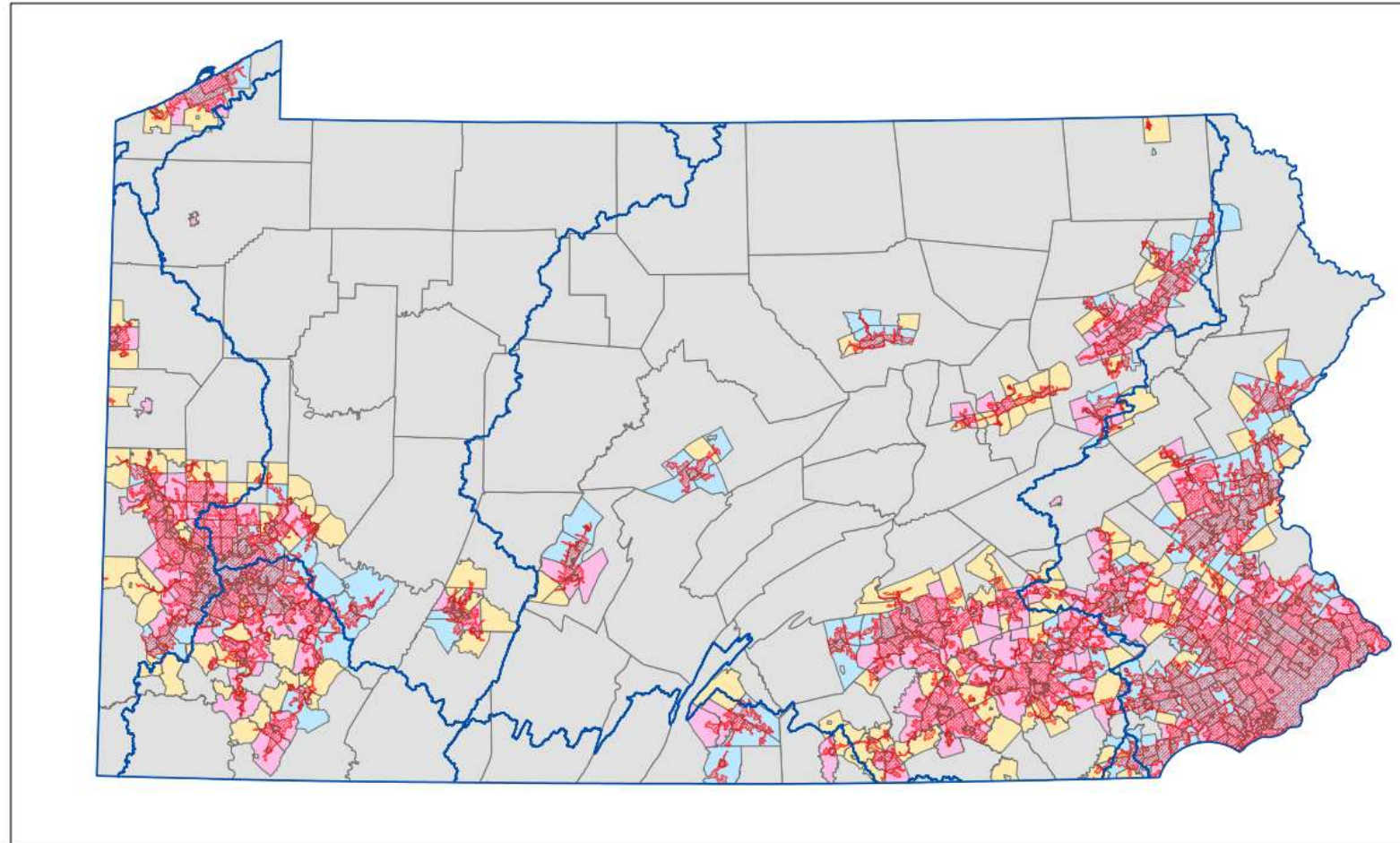
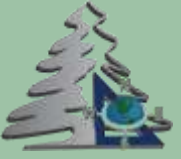
1. 2022 DEP Model Stormwater Management Ordinance
2. Act 167 Stormwater Management Plans
3. Delaware County Stormwater Management Ordinance Updates
4. Ordinance Update Timeline



Background

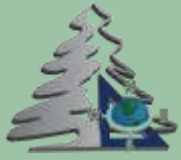
- DEP is directed under Act 167 to develop a **model stormwater ordinance**.
- **Existing MS4s** must update existing ordinances to be consistent with the model ordinance by **September 30, 2022**.
- **New MS4s** must adopt an ordinance consistent with the model ordinance **by September 30, 2022** or with 4th Annual MS4 Status Report.
- The Model Stormwater Management Ordinance satisfies **DEP's Act 167** requirements, and, for **MS4s**, regulatory requirements as implemented through **NPDES permits**.
- MS4s should consider requirements unique to specific county-wide or watershed-wide **Act 167 Plans**.

Pennsylvania MS4 Municipalities



- MS4 Permit Waiver
- MS4 General Permit
- MS4 Individual Permit
- 2010 Urbanized Area
- Major Watersheds
- County Boundary

September 2019



2022 DEP Model Stormwater Management Ordinance

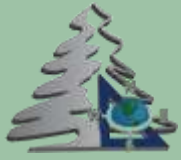
Article I – General Provisions

- Section 101. Short Title
- Section 102. Statement of Findings
- Section 103. Purpose
- Section 104. Statutory Authority
- Section 105. Applicability
- Section 106. Repealer
- Section 107. Severability
- Section 108. Compatibility with Other Requirements
- Section 109. Erroneous Permit
- Section 110. Waivers

Article II – Definitions

Article III – Stormwater Management Standards

- Section 301. General Requirements
- Section 302. Exemptions
- Section 303. Volume Controls
- Section 304. Rate Controls
- Section 305. Riparian Buffers (*OPTIONAL*)



2022 DEP Model Stormwater Management Ordinance

Article IV – Stormwater Management Site Plan Requirements

- Section 401. Plan Requirements
- Section 402. Plan Submission
- Section 403. Plan Review
- Section 404. Modification of Plans
- Section 405. Resubmission of Disapproved SWM Site Plans
- Section 406. Authorization to Construct and Term of Validity
- Section 407. As-Built Plans, Completion Certificate and Final Inspection

Article V – Operation and Maintenance

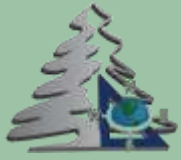
- Section 501. Responsibilities of Developers and Landowners
- Section 502. Operation and Maintenance Agreements

Article VI – Fees and Expenses

- Section 601. General

Article VII – Prohibitions

- Section 701. Prohibited Discharges and Connections
- Section 702. Roof Drains and Sump Pumps
- Section 703. Alteration of SWM BMPs



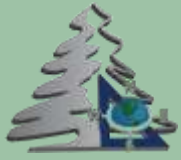
2022 DEP Model Stormwater Management Ordinance

Article VIII – Enforcement and Penalties

- Section 801. Right-of-Entry
- Section 802. Inspection
- Section 803. Enforcement
- Section 804. Suspension and Revocation
- Section 805. Penalties
- Section 806. Appeals

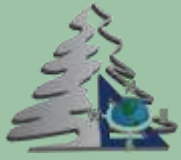
Article IX – References

Appendix A – Operation and Maintenance Agreement



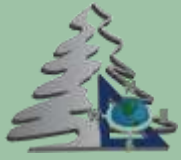
2022 DEP Model Stormwater Management Ordinance Checklist

CHECKLIST		
Ordinance Provision	2013 Requirement	2022 Requirement
1. Article I – General Provisions. Does the ordinance contain sections for Short Title, Statement of Findings, Purpose, Statutory Authority, Applicability, Repealer, Severability, Compatibility with Other Requirements, Erroneous Permit, or otherwise these concepts are addressed in the ordinance in a manner generally consistent with DEP's Model Stormwater Management Ordinance?	<input type="checkbox"/>	<input type="checkbox"/>
Does the ordinance contain a section for Waivers?		<input type="checkbox"/>
<i>Comments:</i>		
2. Article II – Definitions. Does the ordinance include definitions for all critical terms used in the ordinance, including but not limited to Earth Disturbance Activity, Land Development, Stormwater, Best Management Practice, Municipality, and Waters of the Commonwealth?	<input type="checkbox"/>	<input type="checkbox"/>
<i>Comments:</i>		



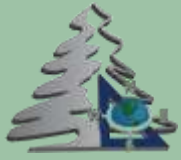
2022 DEP Model Stormwater Management Ordinance Checklist

Ordinance Provision	2013 Requirement	2022 Requirement
3. Article III – Stormwater Management Standards. Does the ordinance require or include:		
a. Preparation and implementation of a stormwater management site plan, unless exempted, and regulated activities may not commence until written approval is issued?	<input type="checkbox"/>	<input type="checkbox"/>
b. BMPs consistent with DEP's Chapter 102 and E&S Manual?	<input type="checkbox"/>	<input type="checkbox"/>
c. Notification of adjacent property owners when stormwater flows may be altered on adjacent property?	<input type="checkbox"/>	<input type="checkbox"/>
d. Design standards directly or by reference, including the design storm volumes to be used in the analysis of peak flows.	<input type="checkbox"/>	<input type="checkbox"/>
e. A standard earth disturbance area, no greater than one acre, for which E&S requirements including rate and volume controls consistent with Chapter 102 apply?	<input type="checkbox"/>	<input type="checkbox"/>
f. Exemptions for certain activities and an explanation of the municipality's authority to deny or revoke exemptions?	<input type="checkbox"/>	<input type="checkbox"/>
g. Use of green infrastructure and low impact development practices?	<input type="checkbox"/>	<input type="checkbox"/>
h. Acceptable methods to determine pre- and post-development runoff volumes?	<input type="checkbox"/>	<input type="checkbox"/>
i. Specification of the post-development peak discharge rates for areas covered and not covered by a release rate map in an approved Act 167 Plan?	<input type="checkbox"/>	<input type="checkbox"/>



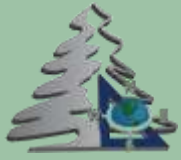
2022 DEP Model Stormwater Management Ordinance Checklist

Ordinance Provision	2013 Requirement	2022 Requirement
4. Article IV – Stormwater Management Site Plan Requirements. Does the ordinance require or include:		
a. Specification of minimum requirements for a satisfactory stormwater management site plan consistent with DEP's Model Stormwater Management Ordinance?	<input type="checkbox"/>	<input type="checkbox"/>
b. Submission of an E&S control plan to the appropriate state or county approval authority?	<input type="checkbox"/>	<input type="checkbox"/>
c. The number of site plans needed and to whom the plans need to be submitted?	<input type="checkbox"/>	<input type="checkbox"/>
d. Procedures for municipal review of site plans, modifications of plans, and resubmission of disapproved plans?	<input type="checkbox"/>	<input type="checkbox"/>
e. Specification of the term of approval for site plans?	<input type="checkbox"/>	<input type="checkbox"/>
f. Submission of as-built plans and certificates of completion for BMPs?	<input type="checkbox"/>	<input type="checkbox"/>
<i>Comments:</i>		



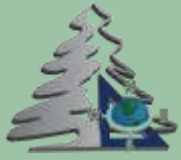
2022 DEP Model Stormwater Management Ordinance Checklist

Ordinance Provision	2013 Requirement	2022 Requirement
5. Article V – Operation and Maintenance. Does the ordinance require or include:		
a. Enumeration of stormwater BMPs as permanent real estate appurtenances that must be recorded as deed restrictions or conservation easements that run with the land?	<input type="checkbox"/>	<input type="checkbox"/>
b. Recording of the O&M Plan as a restrictive deed covenant that runs with the land?	<input type="checkbox"/>	<input type="checkbox"/>
c. Enforcement by the municipality for failure to perform O&M?	<input type="checkbox"/>	<input type="checkbox"/>
d. Prior to final approval of the Site Plan, the property owner must sign and record an O&M agreement?	<input type="checkbox"/>	<input type="checkbox"/>
e. If the owner fails to maintain the BMPs, the municipality may conduct the maintenance and charge the owner fees?	<input type="checkbox"/>	<input type="checkbox"/>
f. A financial guarantee for timely installation and proper construction of BMPs or facilities specified in the Site Plan?	<input type="checkbox"/>	<input type="checkbox"/>
<i>Comments:</i>		
6. Article VI – Fees and Expenses. Does the ordinance indicate that a review fee may be required for a Site Plan to include administrative costs, review costs, attendance at meetings and inspections?	<input type="checkbox"/>	<input type="checkbox"/>
<i>Comments:</i>		



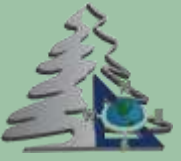
2022 DEP Model Stormwater Management Ordinance Checklist

Ordinance Provision	2013 Requirement	2022 Requirement
7. Article VII – Prohibitions. Does the ordinance require or include:		
a. A general prohibition on non-stormwater discharges from entering the municipal separate storm sewer system.	<input type="checkbox"/>	<input type="checkbox"/>
b. Authorized and Non-Authorized Stormwater Discharges:		
Consistent with the PAG-13 General Permit effective on March 16, 2013 ("General Permit Coverage and Limitations")	<input type="checkbox"/>	
Consistent with the PAG-13 General Permit effective on March 16, 2018 ("Discharges Authorized by this General Permit")		<input type="checkbox"/>
c. A statement that roof drains and sump pumps shall discharge to infiltration or vegetative BMPs wherever feasible?	<input type="checkbox"/>	<input type="checkbox"/>
d. A prohibition on altering BMPs, facilities or structures that were installed under the ordinance without written approval of the municipality?	<input type="checkbox"/>	<input type="checkbox"/>
<i>Comments:</i>		



2022 DEP Model Stormwater Management Ordinance Checklist

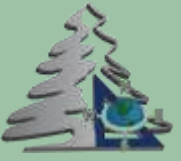
Ordinance Provision	2013 Requirement	2022 Requirement
8. Article VIII – Enforcement and Penalties. Does the ordinance require or include:		
a. A provision authorizing right-of-entry to inspect BMPs and facilities regulated by the ordinance?	<input type="checkbox"/>	<input type="checkbox"/>
b. A specification of inspection frequencies of BMPs and facilities regulated by the ordinance by the landowner, owner's designee or municipality?	<input type="checkbox"/>	<input type="checkbox"/>
c. Transmission of written reports concerning inspections to the municipality?		<input type="checkbox"/>
d. A statement that it is unlawful for a person to undertake any regulated activity except as provided in an approved Site Plan or otherwise exempted?	<input type="checkbox"/>	<input type="checkbox"/>
e. Identification of reasons for a municipality's suspension or revocation of any approval or permit, and procedures to reinstate a suspended approval?	<input type="checkbox"/>	<input type="checkbox"/>
f. Specification of penalties for violations of the ordinance?	<input type="checkbox"/>	<input type="checkbox"/>
g. Appeal procedures?	<input type="checkbox"/>	<input type="checkbox"/>
<i>Comments:</i>		



Summary of Changes

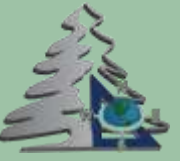
- Waivers
- Authorized Discharges
- Written Inspection Reports
- Optional Riparian Buffer Provisions
- Green Infrastructure and Low Impact Development

Act 167 Stormwater Management Plans



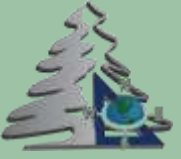
- PA Act 167 of 1978
- Purpose: Reduce flooding and stormwater impacts of future development and redevelopment
- Mandates counties to prepare stormwater management plans and standards
- Mandates municipalities to adopt the stormwater management standards

Act 167 Stormwater Management Plans

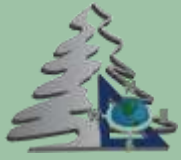


- Countywide or Watershed-based plans
- Counties required to submit plans to DEP for approval
- Municipalities must enact ordinances consistent with Plans
- Counties required to update every 5 years
- Specific public and stakeholder input requirements

Act 167 Stormwater Management Plans

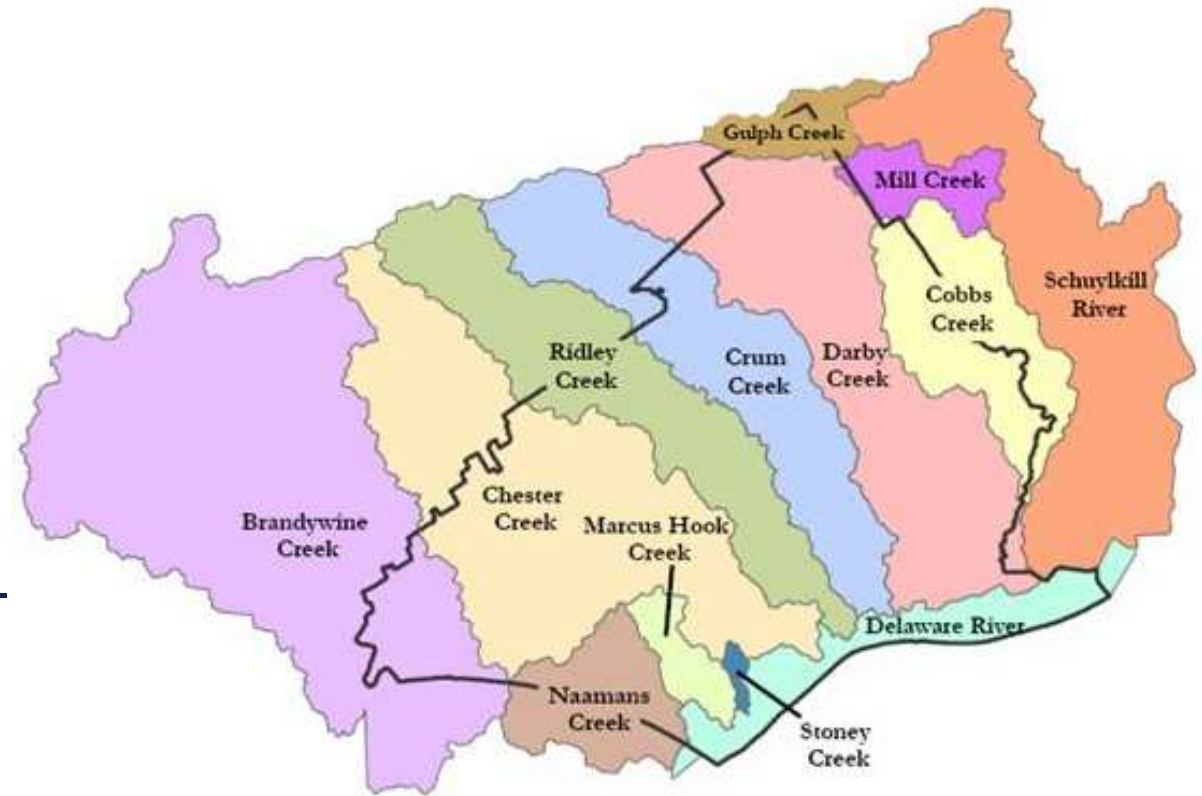


- Approved within past 5 years
- Approved Plan
- No Plan

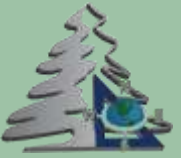


Delaware County Act 167 Plans

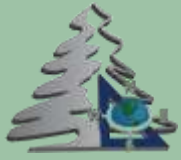
- Ridley Creek (1988)
- Chester Creek (2002)
- Darby-Cobbs Creek (2005)
- Crum Creek (2011)
- Brandywine Creek/Chester County-wide Plan (2013, currently being updated)



Delaware County Model Stormwater Management Ordinance

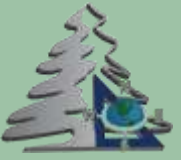


- Crum Creek Model Ordinance was updated in 2013
- Compliance with 2013 MS4 permit requirements
- Renamed the Crum Creek Generic Model Ordinance
- Not part of an Act 167 plan update



The Need for an Update

- Compliance with PA DEP's **2022 Model Stormwater Management Ordinance** to assist MS4 municipalities with implementing MS4 permit requirements
- Increased prevalence of intense **storm events**
- Continued **infill development** and **redevelopment**
- Opportunity to incorporate **municipal** and **public input**



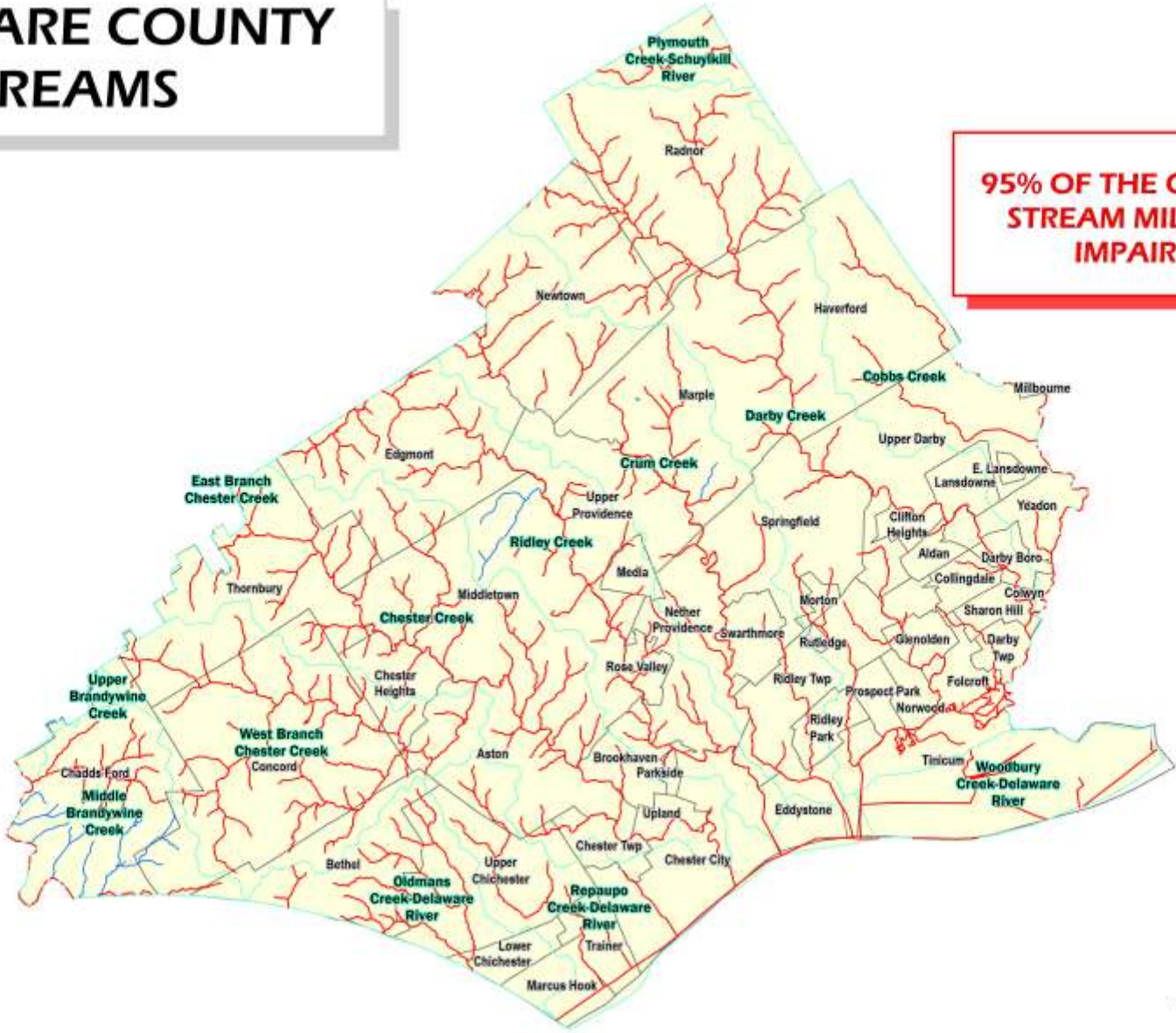
DELAWARE COUNTY STREAMS



**95% OF THE COUNTY'S
STREAM MILES ARE
IMPAIRED**

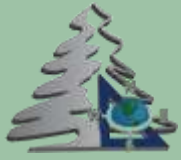
Legend

- Attaining Streams
- Non-Attaining Streams
- HUC 12 Watersheds
- Municipal Boundaries
- Delaware County Boundary



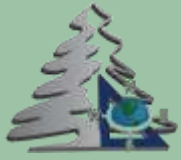
0 4,500 9,000
US Feet





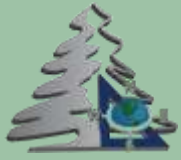
Public and Stakeholder Input

- **February 11, 2022:** Announced update at Delaware County Sustainability Commission meeting
- **March 22, 2022:** Announced update at Delaware County Consortium of Governments (COG) meeting
- **April 19, 2022:** Presenting draft updates at Ordinance Stakeholder meeting
- Will accept comments until the **end of April**
- Will be distributing an online **stormwater management survey**.
Stay tuned....



Ordinance Components

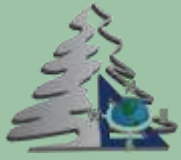
Component	Name	Updates
Ordinance	Delaware County-wide Stormwater Management Ordinance	Yes
Appendix A	District Watershed Map	No
Appendix B	Simplified Approach to SWM for Small Projects	No
Appendix C-1	Sample SWM Site Plan Application and Proposed Schedule of Fees	No
Appendix C-2	SWM Site Plan Checklist	No
Appendix D	Implementation Flow Charts	No
Appendix E	Low Impact Development (LID) Practices	No
Appendix F	SWM Design Criteria	No
Appendix G	References	No
Appendix H	West Nile Virus Guidance	No
Appendix I	Stormwater Controls and BMPs Operations & Maintenance Agreement	Yes
Appendix J	Riparian Buffer Trail Guidelines	No



Summary of Provisions

Minimum Applicability

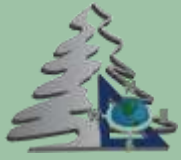
- **Regulated Activity**- any earth disturbance that alters runoff
- **Regulated Impervious Surfaces**- proposed new impervious surfaces and existing impervious surfaces installed after adoption of first ordinance that regulated impervious surface
- **500-999 sq. ft. of Regulated Impervious Surface**- Simplified Approach
- **≥1000 sq. ft. of Regulated Impervious Surface**- full ordinance applies
- **<1,000 sq. ft.**- prohibited from causing pollution or altering runoff from property



Summary of Provisions

Added Sections

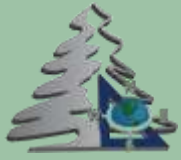
- Erroneous Permit
- Waivers
- High Tunnel Exemption
- Riparian Buffers
- Removed Optional BMP Maintenance Fund section and added Inspection and BMP O&M Requirements
- Pet Waste



Summary of Provisions

Definitions

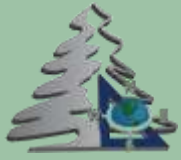
Definition	Added/Updated
BMP (Best Management Practice)	Updated
Evapotranspiration	Added
Floodplain and Floodway	Updated
Green Infrastructure	Added
High Tunnel	Added
Impervious Surface	Updated
Low Impact Development (LID)	Added
Pet	Added
Regulated Impervious Surface	Added
Stormwater Control Measure (SCM)	Added
Stormwater Management Facility	Updated



Summary of Provisions

Increased Emphasis on
Low Impact Development (LID) and **Green Infrastructure (GI)**



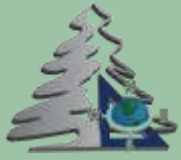


Summary of Provisions

Riparian Buffers

- Moved requirements to **stand alone** section.
- Added **optional provisions** from the DEP 2022 Model Ordinance.





Summary of Provisions

O&M Inspection Requirements

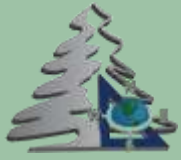
Three Options:

1. Municipal Inspection covered by a Stormwater BMP Maintenance Fund (included in original ordinance)
2. Landowner or Owner's Designee Inspection Requirements
3. Municipalities can include both options in their ordinance



Inspection Frequencies:

- Annually for the first 5 years.
- Once every 3 years thereafter.
- During or immediately after the cessation of a 25-year or greater storm (optional)

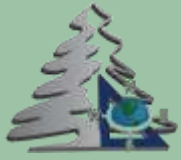


Summary of Provisions

Pet Waste Management

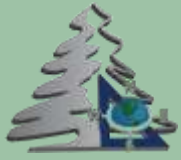


- MS4 municipalities that have outfalls that discharge to streams impaired by **pathogens**
- Requires all pet owners to properly dispose of **pet waste** on property that is not owned by that person



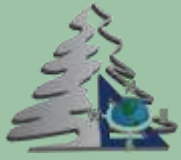
Miscellaneous Updates

- Minor clarifications to design criteria throughout
- Incorporated references to PA Stormwater BMP Manual (or latest design guidance as amended)
- Evapotranspiration can be quantified and credited towards meeting Water Quality requirements
- NPDES Permit Notice of Termination (NOT) requirement



Benefits of Updated Ordinance

- Satisfies **municipal MS4 requirements**
- Provides a **consistent framework** for stormwater management across the County
- Increased focus on utilizing **green infrastructure** and **low impact development** practices to control runoff
- Enhanced long-term **O&M measures** for Post Construction Stormwater Management (PCSM) Best Management Practices (BMPs)
- Promotes the **protection** of the County's **streams, riparian areas, wetlands,** and **floodplains**



Ordinance Rollout Process

The screenshot shows a web browser window displaying the Delaware County Pennsylvania website. The page title is "Countywide Model Stormwater Ordinance". The navigation menu includes "ELECTED OFFICIALS", "COURTS", "A TO Z", "PUBLIC ACCESS", and "STAY INFORMED". The main content area features a search bar, a "Go" button, and a "Search Delco" input field. Below the navigation, the page title "Countywide Model Stormwater Ordinance" is prominently displayed. The breadcrumb trail reads: "Home / Departments / Planning Department / Current Projects / Countywide Model Stormwater Ordinance".

The Delaware County Planning Department, with Cedarville Engineering Inc., is updating the Generic Crum Creek Model Stormwater Ordinance.

The updated Model Ordinance is designed to comply with the regulatory requirements of Pennsylvania Department of Environmental Protection's (PA DEP) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) program. The updates incorporated into the Model Ordinance are also designed to comply with the provisions included in PA DEP's 2022 Model Stormwater Ordinance.

The updated Model Ordinance is intended to be applicable countywide, and it is Delaware County's first step in determining the feasibility of countywide updates for Act 167 plans.

[Countywide Model Stormwater Management Ordinance Draft](#)

[Summary of Changes Table](#)

STAKEHOLDER MEETING
What: Draft County-wide Stormwater Management Model Ordinance Review
When: April 19, 2022, 1:00-3:00 PM
Where: Virtually via Zoom
<https://us02web.zoom.us/j/89933784845>

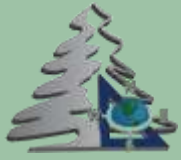
PLANNING DEPARTMENT NAVIGATION

[Access the Mapping and Data Portal](#)

- ▶ [About Planning](#)
- ▶ [Calendar](#)
- ▶ [Current Projects](#)
- ▶ [Delaware County 2035](#)
- ▶ [Demographic Data](#)
- ▶ [Development Review](#)
- ▶ [Forms](#)
- ▶ [Funding](#)
- ▶ [Green Space and Trails Project](#)



Tools



Release of water can begin at the start of the storm (i.e., the invert of the water quality orifice is at the invert of the facility). The design of the facility shall provide for protection from clogging and unwanted sedimentation.

- B. The temperature of receiving waters shall be protected through the use of BMPs that moderate temperature.

~~If a perennial or intermittent stream passes through, or a waterbody (i.e., lake, pond, wetland) is present on the site, the Applicant shall create a riparian buffer extending a minimum of [fifty (50) to one hundred fifty (150)] feet, subject to federal and state buffer policies and regulations, to either side of the top of bank of the channel, lake, or wetland. The buffer area shall be planted with native vegetation and maintained in a vegetated state (Refer to Appendix B, Pennsylvania Native Plant List, contained in the PA BMP Manual).~~

~~The following provisions also apply to riparian buffers on lots in existence at the time of adoption of this Ordinance:~~

- ~~a. If the applicable rear or side yard setback is less than [fifty (50) to 150] feet, the buffer width may be reduced to twenty-five (25) percent of the setback or twenty-five (25) feet, whichever is greater.~~
- ~~b. If a stream traverses a site in a manner that significantly reduces the use of the site, the buffer may be either:
 - ~~i. Reduced to twenty-five (25) feet on either side, with municipal approval; or~~
 - ~~ii. Reduced to ten (10) feet with municipal waiver.~~~~

~~1. Permitted uses within the buffer include the following, subject to municipal approval and provided that they comply with all federal, state, and local regulations:~~

- ~~a. Recreational trails. See Ordinance Appendix J Riparian Buffer Trail Guidelines.~~
- ~~b. Utility rights-of-way.~~
- ~~c. Bridges.~~
- ~~d. Other uses subject to municipal approval.~~

~~2. If an existing buffer is legally prescribed (i.e., deed, covenant, easement, etc.) and it exceeds the requirements of this Ordinance, the existing buffer shall be maintained.~~

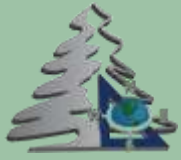
C. Evapotranspiration may be quantified and credited towards meeting volume requirements according to the PADEP Post Construction Stormwater Management (PCSM) Spreadsheet and Instructions (December 2020) or the most recent guidance from PADEP.

Section 307. Stream Bank Erosion Requirements

- A. In addition to controlling the water quality volume (in order to minimize the impact of stormwater runoff on downstream stream bank erosion), the primary requirement to control stream bank erosion is to design a BMP to detain the proposed conditions 2-year, 24-hour design storm to the existing conditions 1-year flow using the SCS Type II distribution. Additionally, provisions shall be made (such as adding a small orifice at the bottom of the outlet structure) to release the proposed conditions 1-year storm for a minimum of twenty-four (24) hours from a point in time when the maximum volume of water from the 1-year storm is stored

in a proposed BMP (i.e., the maximum water surface elevation is achieved in the facility). Release of water can begin at the start of the storm (i.e., the invert of the water quality orifice is at the invert of the facility).

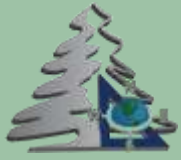
Tools



NOTES TO MUNICIPAL EDITOR:

- 1) *This County-wide Model Stormwater Management Ordinance was developed by Delaware County to provide municipalities with assistance in complying with the 2022 Pennsylvania Department of Environmental Protection (PADEP) Model Stormwater Management Ordinance as required by the National Pollutant Discharge Elimination System (NPDES) Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s). The base of this Model Ordinance is the Crum Creek Watershed Generic Model Stormwater Management Ordinance which is the 2011 Crum Creek Watershed Model Stormwater Management Ordinance which was updated for compliance with the 2012 PADEP Model Stormwater Management Ordinance and modified for use by all Delaware County municipalities for assistance in complying with NPDES Permit for Stormwater Discharges from Small MS4s.*
- 2) *It is recommended that municipalities enact the Model Ordinance as a stand-alone ordinance. In addition, it is recommended that municipalities review existing subdivision and land development and zoning ordinances and consider amending them to refer to and coordinate with the new stormwater management ordinance. Enactment in this manner is anticipated to provide maximum flexibility and authority for enforcement.*
- 3) *Municipality may, at its option, replace the term "Municipal Engineer" with "Municipality" in any or all places where "Municipal Engineer" currently appears throughout the Ordinance.*
- 4) *The text highlighted in blue indicates the Municipal Editor should enter in municipal-specific information. The text highlighted in green indicates additions to the original Crum Creek Watershed Generic Model Stormwater Management Ordinance. The text highlighted in red with a strikethrough indicates deletions from the original Crum Creek Watershed Generic Model Stormwater Management Ordinance.*
- 5) *To ensure applicability of this Ordinance to your Municipality, be sure to insert your Municipality's name in each of the following locations:*
 - a) *Ordinance Title*
 - b) *Section 101*
 - c) *Article II, within the definitions of the following terms –*
 - i. *Governing Body*
 - ii. *Municipality*
 - iii. *Planning Commission*
 - iv. *Subdivision and Land Development Ordinance.*
- 6) *Where more than one Act 167 stormwater management plan applies to any given Municipality, it is recommended that the Municipality prepare and adopt one composite stormwater management ordinance that applies to the entire Municipality. If this County-wide Model Ordinance is used as the basis for a composite ordinance, then the following must be included:*
 - a) *The peak runoff release rate standards from the previously approved Act 167*

Tools

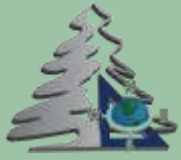


Delaware County-wide Model Stormwater Management Ordinance Updates – Summary of Changes

This table was created to document significant changes made to the Crum Creek Watershed Generic Stormwater Management Model Ordinance which previously served as the informal Delaware County-wide Ordinance. The Ordinance has been updated to for consistency with the Pennsylvania Department of Environmental Protection's (PA DEP) 2022 Model Stormwater Management (SWM) Ordinance, as well as general updates for clarity. This table summarizes the changes and does not include minor administrative updates. For complete documentation of the updates, please reference the Model Ordinance document itself. The Ordinance has been renamed the Delaware County-wide Model Stormwater Management Ordinance.

No.	Topic	Change	Reason for Update	Location Reference	Comments
1	Title	Revised ordinance title from "Crum Creek Watershed Stormwater Management Model Ordinance" to "Delaware County-wide Model Stormwater Management Ordinance."	General Update	Cover Page	Update to Cover Page.
2	Table of Contents	Added new sections that were inserted into the ordinance to the table of contents: Erroneous Permit, Waivers, and Riparian Buffers.	2022 MS4 Requirements	Table of Contents	Update to Table of Contents.
3	Notes to Municipal Editor	Added this section as instructions to whomever is editing the ordinance and customizing for the municipality.	General Update	Notes to Municipal Editor	Added to provide additional instruction to editor.
4	Green Infrastructure and Low Impact Development	Added statement regarding the intentions of Green Infrastructure (GI) and Low Impact Development (LID) use.	2022 MS4 Requirement	Subsection 102.H	Inserted language directly from PA DEP 2022 Model SWM Ordinance.
5	TMDLs	Added statement regarding the implementation of Total Maximum Daily Load (TMDL) requirements.	General Update	Subsection 103.S	Added for consistency with state and federal regulations.
6	Statutory Authority	Added reference to the Third Class City Code.	General Update	Subsection 104.E	Added language for clarification.
7	Exemptions	Added High Tunnels language.	Act 167 Requirement	Subsection 106.A.3	Inserted language directly from Act 167 amendment.
8	Erroneous Permit	Added this section for consistency with the PA DEP 2022 Model Ordinance.	2022 MS4 Requirement	Section 110	Inserted language directly from PA DEP 2022 Model SWM Ordinance
9	Waivers	Added this section as required by the PA DEP 2022 Model SWM Ordinance.	2022 MS4 Requirement	Section 111	Inserted language directly from PA DEP 2022 Model SWM Ordinance
10	Conservation District	Updated from the Crum Creek Model Ordinance to specify Delaware County.	General Update	Section 202	Inserted Delaware County.
11	Department	Added references to DEP, PA DEP, and PADEP.	General Update	Section 202	Inserted references to DEP, PA DEP, and PADEP.
12	Designee	Updated from the Crum Creek Model Ordinance to be specific to Delaware County.	General Update	Section 202	Inserted Delaware County Planning Department and Delaware County Conservation District.

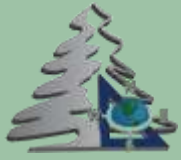
Revised 4/13/2022



Next Steps



1. Draft Updated Ordinance and Summary of Changes are **posted on website**.
2. Comments will be accepted until the **end of April**.
3. Submitting to DEP for review **mid-May**. Will make final ordinance documents available to municipalities shortly at the same time.
4. Municipal Ordinance Information Workshop – **May 17, 2022 at 1:00pm**.
5. Municipalities to **review, edit, and adopt** updated ordinance.
6. Submit to DEP with Annual MS4 Status Report **due September 30, 2022**.

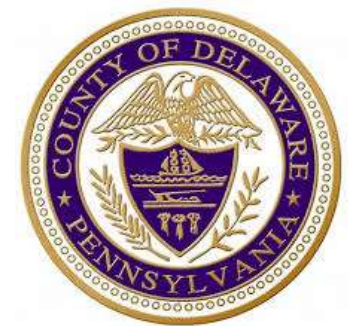


Next Steps

- The County-wide Model Ordinance is first step in determining feasibility of County-wide updates to the Act 167 plans.
- A survey will be distributed via email in the beginning of May for input on pursuing County-wide Act 167 planning.



QUESTIONS?



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