

Outline

- 1. 2022 DEP MS4 Model Ordinance Summary of Changes
- 2. Act 167 Stormwater Management Plans/Model Ordinances
- 3. Delaware County-wide Model Stormwater Management Ordinance Updates
- 4. Tools for Implementation
- 5. Ordinance Update Timeline and Next Steps



Background



- 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.

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2022 DEP MS4 Model Ordinance **Summary of Changes**

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

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Act 167 Stormwater Management Plans





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

- · 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

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Delaware County Act 167 Plans

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



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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

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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: Presented draft updates at Ordinance Stakeholder meeting
- Accepted comments until the end of April 2022.
- An online Water Resources Survey is in the Chat window.



Major Updates

Added Sections

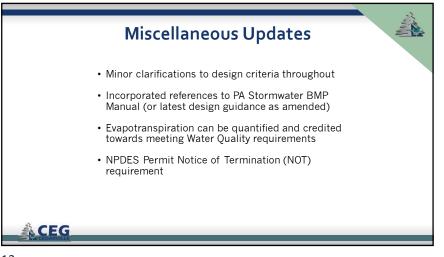
- Erroneous Permit
- Waivers
- High Tunnel Exemption
- Riparian Buffers
- Removed Optional BMP Maintenance Fund section and added Inspection and BMP O&M Requirements
- · Pet Waste



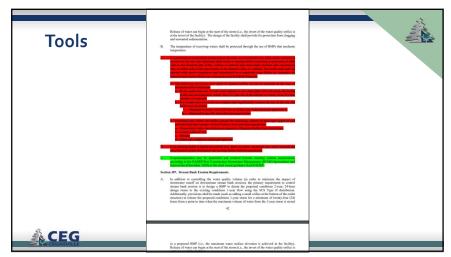
Major Updates Definitions BMP (Best Management Practice) Updated Evapotranspiration Added Updated Floodplain and Floodway Green Infrastructure Added High Tunnel Added Impervious Surface Updated Low Impact Development (LID) Added Added Regulated Impervious Surface Added Stormwater Control Measure (SCM)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

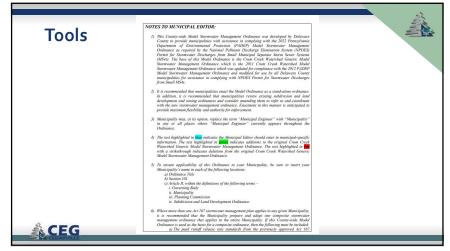
Ordinance Components Delaware County-wide Stormwater Management Ordinance Ordinance Appendix A District Watershed Map No Appendix B Simplified Approach to SWM for Small Projects Yes Appendix C-1 Sample SWM Site Plan Application and Proposed Schedule of Fees No Appendix C-2 SWM Site Plan Checklist No 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 Stormwater Controls and BMPs Operations & Maintenance Agreement Appendix I Yes Appendix J Riparian Buffer Trail Guidelines No CEG 10

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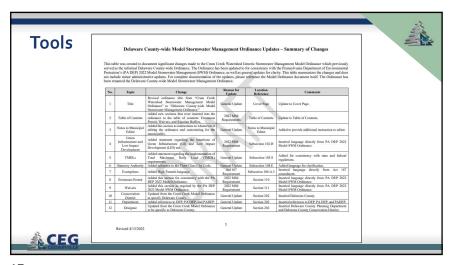
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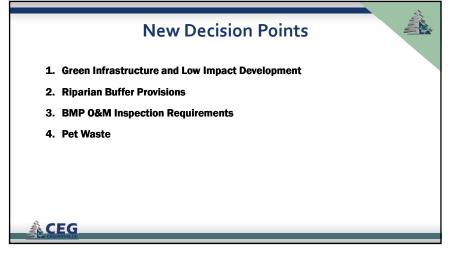




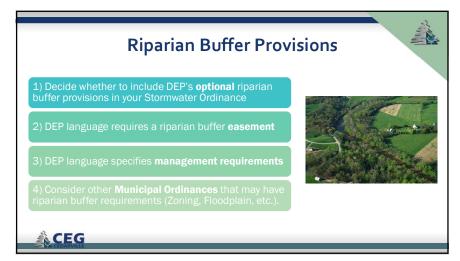
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BMP O&M Inspection Requirements

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:

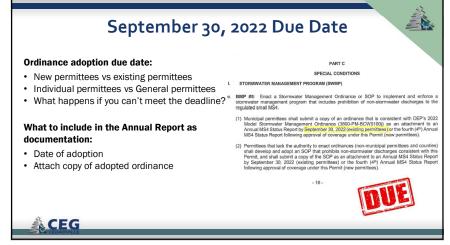
- · Annually for the first 5 years.
- Once every 3 years thereafter.
- Municipal Inspection Option 1: During or immediately after a 25year or greater storm.
- Landowner Inspection Option 2: During or immediately after a 10year or greater storm (provide reports to Municipality upon request).



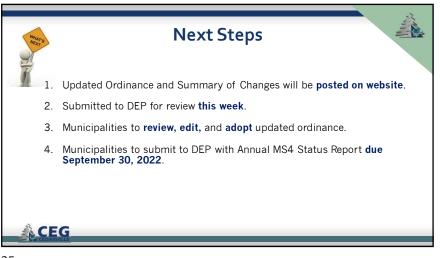
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General Update Process

1) Work backwards from 9/30/22 adoption due date and request to be added to agenda of public meetings (Planning Commission, Board/Council, etc.)

2) Obtain Word document of current ordinance

3) Enter updates as "track changes" based on 2022 County-wide Ordinance

4) Municipal Engineer to complete updates or at least provide input

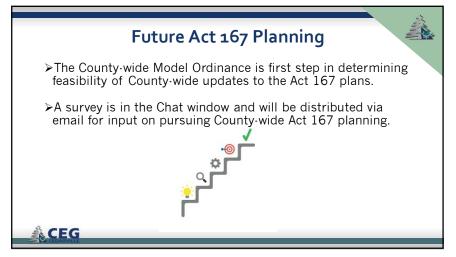
5) Solicitor to review and format for adoption (amend current ordinance or repeal and replace)

6) Present at public meeting(s)

7) Adoption by Board/Council

8) Review and update supporting implementation documents (permit applications, website, etc.) as needed

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