

ORDINANCE AMENDING MILLVILLE CODE CHAPTER 60 ("STORMWATER MANAGEMENT AND POLLUTION CONTROL"), ARTICLE I ("STORMWATER MANAGEMENT REGULATIONS"), SECTIONS 1-13, TO REFLECT AMENDMENTS TO THE STORMWATER MANAGEMENT RULES AT N.J.A.C. 7:8 ADOPTED JULY 17, 2023

WHEREAS, Millville Code Chapter 60 ("Stormwater Management and Pollution Control"), Article I ("Stormwater Management Regulations"), Sections 1-13 requires revisions as a result of the new regulations implemented by the New Jersey Department of Environmental Protection (NJDEP); and

WHEREAS, NJDEP Stormwater Management rules, N.J.C.A. 7:8 ("Stormwater Management") was last amended on July 17, 2023 requiring municipalities to implement the changes;

NOW, THEREFORE BE IT ORDAINED by the Board of Commissioners of the City of Millville that Millville Code Section Chapter 60 ("Stormwater Management and Pollution Control"), Article I ("Stormwater Management Regulations"), Sections 1-13 is hereby amended as follows:

§60-1 Scope and purpose.

- A. (No Change)
- B. (No Change)
- C. Applicability.
 - (1) (No Change)
 - (2) (No Change)
 - (3) An application required by ordinance pursuant to C.1 above that has been submitted prior to August 7, 2024, shall be subject to the stormwater management requirements in effect on August 6, 2024
 - (4) An application required by ordinance for approval pursuant to C.1 above that has been submitted on or after March 2, 2021, but prior to August 7, 2024, shall be subject to the stormwater management requirements in effect on August 6, 2024
 - (5) Notwithstanding any rule to the contrary, a major development for any public roadway or railroad project conducted by a public transportation entity that has determined a preferred alternative or reached an equivalent milestone before July 17, 2023, shall be subject to the stormwater management requirements in effect prior to July 17th, 2023.
- D. (No Change)

§60-2 Definitions.

The following definitions are to be added to this section:

"Public roadway or railroad" means a pathway for use by motor vehicles to trains that is intended for public use and is constructed by, or on behalf of, a public transportation entity. A public roadway or railroad does not include a roadway or railroad constructed as part of a private development, regardless of whether the roadway or railroad is ultimately to be dedicated to and/or maintained by a governmental entity.

"Public transportation entity" means a Federal, State, county or municipal government, an independent State authority, or a statutorily authorized public-private partnership program pursuant to P.L. 2018, c.

90 (N.J.S.A 40A:11-52 et seq.), that performs a public roadway or railroad project that includes new construction, expansion, reconstruction, or improvement of a public roadway or railroad.

§60-3 (No change)

§60-4 Stormwater management requirements for major development.

- A. (No change)
- B. (No change)
- C. (No change)
- D. (No change)
- E. Tables 1 through 3 below summarize the ability of stormwater best management practices identified and described in the New Jersey Stormwater Best Management Practices Manual to satisfy the green infrastructure, groundwater recharge, stormwater runoff quality and stormwater runoff quantity standards specified in §60-4 O, P, Q, and R. When designed in accordance with the most current version of the New Jersey Stormwater Best Management Practices Manual, the stormwater management measures found at N.J.A.C. 7:8-5.0(f) Tables 5-1, 5-2, 5-3 and listed below in Tables 1, 2 and 3 are presumed to be capable of providing stormwater controls for the design and performance standards as outlined in the tables below. Upon amendments of the New Jersey Stormwater Best Management Practices to reflect additions or deletions of BMPs meeting these standards, or changes in the presumed performance of BMPs designed in accordance with the New Jersey Stormwater BMP Manual, the Department shall publish in the New Jersey Registers a notice of administrative change revising the applicable table. The most current version of the BMP Manual can be found on the Department's website at <https://dep.nj.gov/stormwater/bmp-manual/>
- F. (No change)
- G. (No change)
- H. (No change)
- I. (No change)
- J. (No change)
- K. (No change)
- L. (No change)
- M. (No change)
- N. (No change)
- O. (No change)
- P. Groundwater recharge standards.
 - 1. (No change)
 - 2. (No change)
 - a. (No change)
 - b. Demonstrate through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the projected 2-year storm, as defined and determined pursuant to section 5(D) of this ordinance, is infiltrated.
 - 3. (No change)
 - 4. (No change)
 - a. Stormwater from areas of high pollutant loading. High pollutant loading areas are areas in industrial and commercial developments where solvents and/or petroleum products are loaded/unloaded, stored, or applied, areas where pesticides are loaded/unloaded or stored; areas where hazardous materials are expected to be present in greater than "reportable quantities" as defined by the United States Environmental Protection Agency (EPA) at 40 CFR 302.4; areas where recharge would be inconsistent with Department approved remedial action work

plan approved pursuant to the Administrative Requirements for the Remediation of Contaminated Sites rules, N.J.A.C. 7:26C, or Department landfill closure plan areas; and areas with high risks for spills of toxic materials, such as gas stations and vehicle maintenance facilities; and

b. (No change)

Q. (No change)

R. Stormwater runoff quantity standards.

1. (No change)

2. (No change)

a. Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, post-construction runoff hydrographs for the current and projected two-, ten- and 100-year storm events, as defined and determined in section 5(C) and 5(D), respectively, of this ordinance, do not exceed, at any point in time, the preconstruction runoff hydrographs for the same storm events;

b. Demonstrate through hydrologic and hydraulic analysis that there is no increase, as compared to the pre-construction, in the peak runoff rates of stormwater leaving the site for the current and projected two-, ten-, and 100-year storm event, as defined and determined pursuant to Section 5(C) and 5(D), respectively, of this ordinance, and that the increased volume or change in timing of stormwater runoff will not increase flood damage at or downstream of the site. This analysis shall include the analysis of impacts of existing land uses and projected land uses assuming full development under existing zoning and land use ordinances in the drainage area;

c. Design stormwater management measures so that the post-construction peak runoff rates for the current and projected two-, ten-, and 100-year storm events, as defined and determined in Section 5(C) and 5(D), respectively, of this ordinance, are 50%, 75%, and 80%, respectively of the stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed; or

d. (No change)

3. (No change)

§60-5 Calculation of stormwater runoff and groundwater recharge.

A. (No change)

1. The design engineer shall calculate runoff using the following methods:

a. The USDA Natural Resources Conservation Services (NRCS) methodology, including the NRCS Runoff Equation and Dimensionless Unit Hydrograph, as described in Chapters 7, 9, 10, 15, and 16 Part 630, Hydrology National Engineering Handbook, incorporated herein by reference as amended and supplemented. This methodology is additionally described in Technical Release 55 Urban Hydrology for Small Watersheds (TR 55), dated June 1986, incorporated herein by reference as amended and supplemented. Information regarding the methodology is available from the Natural Resources Conservation Services website at <https://directives.sc.gov.usda.gov/viewerFS.aspx?hid=21422> or at United States Department of

b. Delete in its entirety.

2. For the purpose of calculating curve numbers and groundwater recharge, there is a presumption that the preconstruction condition of a site or portion thereof is a wooded land use with good hydrologic condition. The term "curve number" applies to the NRCS methodology above at §60-5A(1) curve number or ground water recharge land cover for an existing condition may be used on all or a portion of the site if they design engineer verifies that the hydrologic condition has existed on the site or portion of the site for at least five years without interruption prior to the time of application. If more than one land cover has existed on the site during the five years immediately prior to the time of application, the land cover with the lowest runoff potential shall be used for the computations. In addition, there is the presumption that the site is in good hydrologic condition (if the land use type is pasture, lawn, or park), with good cover (if the land use type is woods), or with good hydrologic condition and conservation treatment (if the land use type is cultivation)
 3. (No change)
 4. (No change)
 5. (No change)
- B. (No change)
- C. The precipitation depths of the current two-, ten-, and 100-year storm events shall be determined by multiplying the values determined in accordance with items 1 and 2 below:
1. The applicant shall utilize the National Oceanographic and Atmospheric Administration (NOAA), National Weather Service Atlas 14 Point Precipitation Frequency Estimates: NJ, in accordance with the location(s) of the drainage area(s) of the site. This data is available at: https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=nj; and
 2. The applicant shall utilize Table 5: Current Precipitation Adjustment Factors below, which sets forth the applicable multiplier for the drainage area(s) of the site is located. Where the major development lies in more than one county, the precipitation values shall be adjusted according to the percentage of the drainage area in each county. Alternately, separate rainfall totals can be developed for each county using the values in the table below.

Table 5: Current precipitation Adjustment Factors

County	Current Precipitation Adjustment Factors		
	2-year Design Storm	10-year Design Storm	100-year Design Storm
Cumberland	1.03	1.03	1.01

- D. Table 6: Future Precipitation Change Factors provided below sets forth the change factors to be used in determining the projected two-, ten-, 100-year storm events for the use this chapter, which are organized alphabetically by county. The precipitation depth of the projected two-, ten-, 100-year storm events of a site shall be determined by multiplying the precipitation depth of the two-, ten-, 100-year storm events determined from the National Weather Service's Atlas 14 Point Precipitation Frequency Estimates pursuant to C-1 above, by the change factor in the table below, in accordance with the county or counties where the drainage area(s) of the site is located. Where the major development and/or its drainage area lies in more than one county, the precipitation values shall be adjusted

according to the percentage of the drainage area in each county. Alternately, separate rainfall totals can be developed for each county using the values in the table below.

Table 6: Future Precipitation Change Factors

County	Future Precipitation Change Factors		
	2-year Design Storm	10-year Design Storm	100-year Design Storm
Cumberland	1.2	1.21	1.39

§60-6. Sources for technical guidance.

- A. Technical guidance for stormwater management measures can be found in the documents listed below, which are available to download from the Department's website at <https://dep.nj.gov/stormwater/bmp-manual/>.
 - 1. (No change)
 - 2. Additional maintenance guidance is available on the Department's website at https://www.njstormwater.org/maintenance_guidance.htm. <https://dep.nj.gov/stormwater/maintenance-guidance/>.
- B. Submissions required for review by the Department should be mailed to: The Division of Watershed Protection and Restoration, New Jersey Department of Environmental Protection, Mail Code 501-02A, PO Box 420, Trenton, New Jersey 08625-0420

§60-7. (No change)

§60-8. Safety standards for stormwater management basins.

- A. (No change)
- B. (No change)
- C. (No change)
 - 1. (No change)
 - 2. (No change)
 - a. (No change)
 - b. The overflow grate shall be no greater than two inches across the smallest dimension
 - c. (No change)
 - 3. (No change)

§60-9. (No change)

§60-10. (No change)

§60-11. (No change)

§60-12. (No change)

§60-13. (No change)

This ordinance shall take effect twenty (20) days after final passage, according to law.

FIRST READING: July 16, 2024

Moved By: Sooy
Seconded By: Hewitt

VOTING	In Favor	Against	Abstain	Absent
Benjamin J. Romanik	X			

Joseph Sooy	X			
C. Kirk Hewitt	X			
Stephen E. Watson, Jr	X			
Marissa Ranello	X			

SECOND READING: August 7, 2024

Moved By: Ranello
 Seconded By: Hewitt

<u>VOTING</u>	<u>In Favor</u>	<u>Against</u>	<u>Abstain</u>	<u>Absent</u>
Benjamin J. Romanik	X			
Joseph Sooy	X			
C. Kirk Hewitt	X			
Stephen E. Watson, Jr				X
Marissa Ranello	X			

CERTIFICATION

I certify that the foregoing is a true copy of an Ordinance adopted by the Board of Commissioners, of the City of Millville in the County of Cumberland, at a meeting thereof held on August 7, 2024.


 Jeanne M. Parkinson, City Clerk

<i>PROCEDURE</i>	
Approved on First Reading:	July 16, 2024
Published:	July 20, 2024
Approved on Second Reading:	August 7, 2024
Published:	August 10, 2024
Effective Date:	August 30, 2024