# Brunswick County Stormwater Manual Update

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## Brunswick County Stormwater Ordinance and Stormwater Management Manual

- The Brunswick County Stormwater Ordinance was adopted in September of 2002 and was last updated on May 16, 2016.
- The Brunswick County Stormwater Management Manual was approved in September of 2002 and has not been updated to date.
- Our current Stormwater Manual requires new development to control the postdevelopment runoff from the site to pre-development conditions for the 1-year and 10year 24-hour storms.
- Some developments are designed to control larger storm events however most are only designed to have an emergency overflow for larger storm events.

## Proposed updates to Pre vs. Post Stormwater Control Requirements

#### > The current requirements of the Manual:

- Control the 1-year, 24-hour storm
- Control the 10-year, 24-hour storm

#### > The proposed requirements of the Manual:

- Control the 1-year, 24-hour storm
- Control the 10-year, 24-hour storm
- Control the 25-year, 24-hour storm
- Possibly require the 100-year, 24-hour storm in areas experiencing current flooding problems

### Local municipalities that already require control of the minimum 25-year, 24-hour storm:

- New Hanover County
- City of Wilmington
- Town of Leland

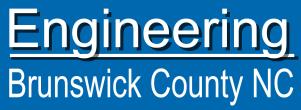
### **Possible Changes to Rainfall Amounts**

Design Storm	Rainfall amounts currently used in Manual	Rainfall amounts from NOAA Atlas 14 for Bolivia, NC
1-year, 24-hour	3.7 inches	3.95 inches
10-year, 24-hour	7.0 inches	7.44 inches
25-year, 24-hour	8.5 inches	9.32 inches
100-year, 24-hour	10.0 inches	12.9 inches

### Other Updates to the Stormwater Management Manual

- Definitions update the definitions to align with the previously updated Stormwater Ordinance.
- Remove several chapters in the Manual and direct users to other documents with more current information:
  - NC DEQ Stormwater Design Manual
  - Brunswick County LID Manual
- Update the remaining chapters to better clarify requirements and add new requirements where necessary
- Update Stormwater Permit Forms to include new requirements





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http://www.brunswickcountync.gov/

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