

Stormwater Submittal Checklist

- ___ Stormwater Management Plan
 - ___ Narrative describing project and use of BMP's
 - ___ Certified statement that project meets **Tar-Pamlico Stormwater Rules**
 - ___ Plans sealed by a professional
 - ___ Map showing drainage areas including off-site drainage
 - ___ Off-site drainage is addressed in narrative and on plans, accordingly
 - ___ USGS map (in color) with site clearly indicated
 - ___ Soils map with site clearly indicated

- ___ Project Submitted as New Development or Re-Development
 - ___ New development
 - ___ Re-development

- ___ Exempt from Stormwater Management Regulations because:
 - ___ This is a residential development that will not disturb 1 acre or more.
 - ___ This is a residential development on a single family lot of record (not part of a larger common plan of development or sale), and does not result in greater than ten percent (10%) built-upon area
 - ___ This is a multifamily residential development or commercial, industrial or institutional facility that will not disturb ½ acre or more.
 - ___ This is a replacement or expansion of existing structures or improvements that does not result in a net increase in built-upon areas.
 - ___ This project is vested, because it was approved by the _____ before _____.
(Date of approval _____; approved by _____)
(plat must be recorded within 5 years of development's approval)

- ___ Calculations to show no increase in peak flow (attached) for 1-year, 24-hour storm
 - ___ Pre-development peak flow leaving the site = _____ cfs
 - ___ Post-development peak flow leaving the site = _____ cfs (no BMP's)
 - ___ Exempt from peak flow control requirements because:
 - ___ Increase in pre- vs post- development peak flow < 10%
 - ___ Overall impervious surface < 15%, and remaining pervious portions utilized to max practical extent to convey & control stormwater runoff.
 - ___ This is in a part of a drainage basin where stormwater detention can aggravate local flooding problems (as determined by the County). Must show proof by routing.
 - ___ BMP required to reduce post-development peak flow
 - ___ Type of BMP installed: _____
 - ___ Post-development peak flow after BMP = _____ cfs

- ___ Calculations for nitrogen & phosphorus, no BMP's considered (worksheets attached)
 - ___ Re-development:
 - ___ Pre-redevelopment nitrogen loading: N = ___ lbs / ac / yr
 - ___ Pre-redevelopment phosphorus loading: P = ___ lbs / ac / yr
 - ___ Post-development nitrogen loading < 4 lbs/ac/yr. N = ___ lbs / ac / yr
 - ___ Post-development phosphorus loading < 0.4 lbs/ac/yr P = ___ lbs / ac / yr
 - ___ BMPs required to reduce nutrients? ___ No ___ Yes: ___ Onsite or ___ Offsite
(If using offsite BMPs, must first reduce Nitrogen to < 6 (residential) or < 10 (commercial / industrial) lbs / ac / yr using either on-site BMPs or participation in an approved regional or jurisdiction-wide stormwater strategy or a combination of these.
 - ___ For Offsite BMPs, attach supporting information as required
 - ___ As-built survey of the existing development site

_____ For onsite BMP's, list BMP's used in series per catchment area:

	<u>Type BMP</u>	<u>% N Reduction</u>	<u>% P Reduction</u>
<u>Catchment 1</u>	BMP 1	_____	_____
	BMP 2	_____	_____
	BMP 3	_____	_____
	BMP 4	_____	_____
	Overall % Reduction	_____	_____
<u>Catchment 2</u>	BMP 1	_____	_____
	BMP 2	_____	_____
	BMP 3	_____	_____
	BMP 4	_____	_____
	Overall % Reduction	_____	_____
<u>Catchment 3</u>	BMP 1	_____	_____
	BMP 2	_____	_____
	BMP 3	_____	_____
	BMP 4	_____	_____
	Overall % Reduction	_____	_____
<u>Catchment 4</u>	BMP 1	_____	_____
	BMP 2	_____	_____
	BMP 3	_____	_____
	BMP 4	_____	_____
	Overall % Reduction	_____	_____
<u>Catchment 5</u>	BMP 1	_____	_____
	BMP 2	_____	_____
	BMP 3	_____	_____
	BMP 4	_____	_____
	Overall % Reduction	_____	_____

_____ Calculation worksheets for nutrient loading after BMPs (worksheets attached)

_____ Re-development:

_____ Re-development nitrogen loading: N = _____ lbs / ac / yr; _____% reduction
(a minimum reduction of 30% from pre-redevelopment loading is required)

_____ Re-development phosphorus loading: P = _____ lbs / ac / yr
(must be less than or equal to pre-redevelopment loading)

_____ Post-development Nitrogen Loading < 4 lbs/ac/yr N = _____ lbs / ac / yr

_____ Post-development Phosphorus Loading < .4 lbs/ac/yr P = _____ lbs / ac / yr

_____ Date of BMP Installation: _____

_____ Stormwater Maintenance Agreement

_____ Operation and Maintenance Plan for each BMP. Recorded in Bk _____ / Page _____

_____ Homeowner's Association Covenants, for maintenance assessments. Recorded in Bk _____ / Page _____

_____ Required Riparian Buffer on the property? _____Yes _____No

No development activity shall be allowed within 50 feet adjacent to a waterbody shown on either the USGS 7.5 minute topographic map or the NRCS Soil Survey Map.

_____ Exception: Activity has been approved by DWQ (written approval attached)

_____ On-site determination that surface waters are not present.

_____ Authorization Certificate from DWQ for use "allowable" or "allowable with mitigation".

_____ Opinion from DWQ that vested rights have been established.

_____ Letter from DWQ documenting variance approval.

DO NOT SUBMIT PLANS FOR REVIEW IF ALL THE REQUIRED INFORMATION IS NOT AVAILABLE.