

Nitrogen Control Plan

Residential Subdivisions with no known building footprints.

Project Title: _____

Part I. Riparian Buffers

Area includes riparian buffers? No Yes Exempt
 If yes, 50 foot 100 foot
 River Basin? Neuse Cape Fear
 Basis for exemption _____
 Show buffers on site plan.

Part II. Nitrogen Calculations (Method 1, Appendix C):

a. Subdivision information:

Number of lots _____	Amount of Right-of-Way _____
Total area of lots (excluding R/W and open space) _____	Percent of Right-of-Way that is impervious area _____
Number of lots/acre _____	Amount of Right-of-Way that is impervious area _____
Average lot size _____	Total estimated impervious area _____
Impervious area per lot _____	

b. Pre-development loading:

Type of Land Cover	Area (acres)	TN export coeff. (lbs/ac/yr)	TN export from use (lbs/yr)
Permanently protected undisturbed open space (forest, unmown meadow)		0.60	
Permanently protected managed open space (grass, landscaping, etc.)		1.20	
Impervious Area		21.20	
TOTAL			

Pre-development Nitrogen Loading Rate (lbs/ac/yr) = _____

c. Post-development loading:

Type of Land Cover	Area (acres)	TN export coeff. (lbs/ac/yr)	TN export from use (lbs/yr)
Permanently protected undisturbed open space (forest, unmown meadow)		0.60	
Permanently protected managed open space (grass, landscaping, etc.)		1.20	
Right-of-Way (read TN export from Graph 1)			
Lots (read TN export from Graph 2)			
TOTAL			

Post-development Nitrogen Loading Rate (lbs/ac/yr) = _____

Proposed BMP(s) _____
 Nitrogen Load after BMP = _____
 Nitrogen Load Offset by Payments = _____
 Net change in on-site N Load = _____ (Post BMP load less Pre-development N load)

Part III. Control of Peak Stormwater Flow (for 1 year, design storm)

Calculated Pre-development Peak Flow _____
 Calculated Post-development Peak Flow _____
 Proposed BMP(s) _____
 Post BMP Peak Flow _____

I, the undersigned, certify to the best of my knowledge that the above information is correct (affix seal).