

**City of Roxboro
Stormwater Permit**

Developer / Owner

Developer: _____ **Date:** _____

Address: _____ **Phone#** _____

City: _____ **State:** _____ **Zip Code** _____

Property Owner : _____
(If different from above)

Address: _____ **Phone#** _____

City: _____ **State:** _____ **Zip Code** _____

Property Information

Address: _____

Tax Map Number or PIN _____

Lot Size: _____ **sq. ft.** **Impervious Surface:** _____

Required Information

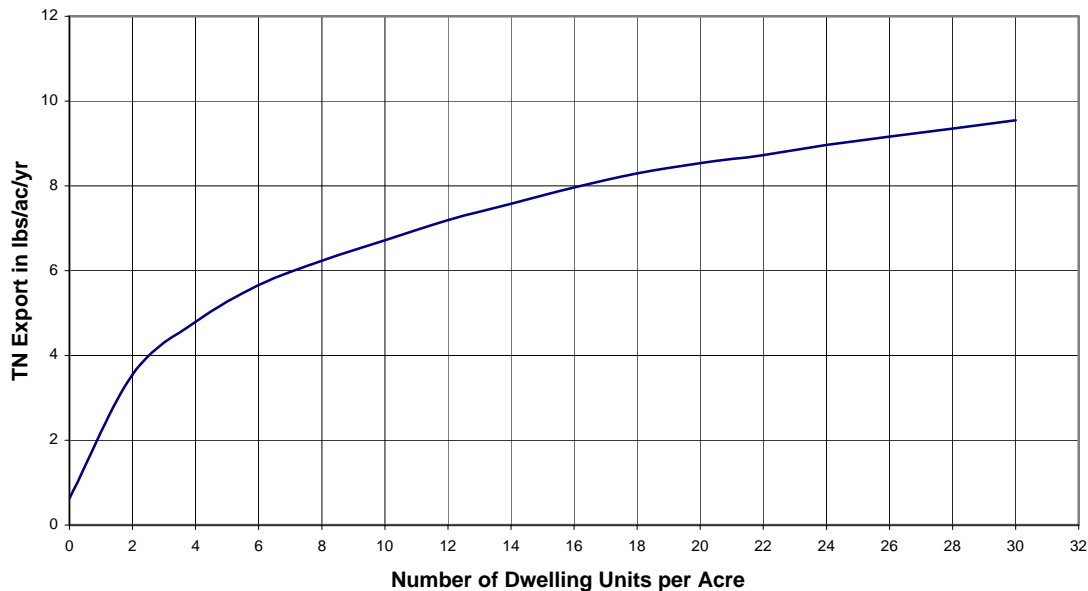
- ∨ **Site Plan prepared by PLS or PE**
- ∨ **Total nitrogen export chart**

Method 1 for Residential Development when Building Footprint not known

(1) Type of Land Cover	(2) Area (acres)	(3) TN export coeff. (lbs/ac/yr)	(4) TN export from use (lbs/yr)
Permanently protected undisturbed open space (forest, unmown meadow)		0.6	
Permanently protected managed open space (grass, landscaping, etc.)		1.2	
Right-of-way (read TN export from Graph 1)			
Lots (read TN export from Graph 2)			
SUB-TOTAL			
TOTAL = (4) / (2)			

- Step 1: Determine area for each type of land use and enter in Column (2).
- Step 2: Total the areas for each type of land use and enter at the bottom of Column (2).
- Step 3: Determine the TN coefficient associated with right-of-way using Graph 1.
- Step 4: Determine the TN export coefficient associated with lots using Graph 2.
- Step 5: Multiply the areas in Column (2) by the TN export coefficients in Column (3) and enter in Column (4)
- Step 6: Total the TN exports for each type of land use and enter at the bottom of Column (4).
- Step 7: Determine the export coefficient for site by dividing the total TN export from uses at the bottom of Column (4) by the total area at the bottom of Column (2).

Total Nitrogen Export from Lots



Method 2 for Quantifying TN Export from Residential/Industrial/Commercial Developments when Footprints of all Impervious Surfaces are Show

(1) Type of Land Cover	(2) Area (acres)	(3) TN export Coeff. (lbs/ac/yr)	(4) TN export from use (lbs/yr)
Permanently protected undisturbed open space (forest, unmown meadow)		0.6	
Permanently protected managed open space (grass, landscaping, etc.)		1.2	
Right-of-way (read TN export from Graph 1)			
Lots (read TN export from Graph 2)			
SUB-TOTAL			

TOTAL = (4) / (2)

Step 1: Determine area for each type of land use and enter in Column (2).

Step 2: Total the areas for each type of land use and enter at the bottom of Column (2).

Step 3: Multiply the areas in Column (2) by the TN export coefficients in Column (3) and enter in Column (4).

Step 4: Total the TN exports for each type of land use and enter at the bottom of Column (4).

Step 5: Determine the export coefficient for site by dividing the total TN export from uses at the bottom of column (4) by the total area at the bottom of Column (2).