

WATER

26 Attachment 15

Township of East Rockhill

**Appendix O**  
**Pollutant Loading/Reduction Worksheets**

**Worksheet 12 — Water Quality Analysis of Pollutant Loading from All Disturbed Areas**

Total Site Area (AC)	
Total Disturbed Area (AC)	
Disturbed Area Controlled by BMPs (AC)	

**Total Disturbed Areas:**

	Land Cover Classification	Pollutant			Cover (Acres)	Runoff Volume (AF)	Pollutant Load		
		TSS EMC (mg/l)	TP EMC (mg/l)	Nitrate-Nitrite EMC (mg/l as N)			TSS** (LBS)	TP** (LBS)	NO <sub>3</sub> (LBS)
<b>Pervious Surfaces</b>	Forest	39	0.15	0.17					
	Meadow	47	0.19	0.3					
	Fertilized Planting Area	55	1.34	0.73					
	Native Planting Area	55	0.40	0.33					
	Lawn, Low-Input	180	0.40	0.44					
	Lawn, High-Input	180	2.22	1.46					
	Golf Course Fairway/Green	305	1.07	1.84					
Grassed Athletic Field	200	1.07	1.01						
<b>Impervious Surfaces</b>	Rooftop	21	0.13	0.32					
	High Traffic Street/Highway	261	0.40	0.83					
	Medium Traffic Street	113	0.33	0.58					
	Low Traffic/Residential Street	86	0.36	0.47					
	Res. Driveway, Play Courts, etc.	60	0.46	0.47					
	High Traffic Parking Lot	120	0.39	0.60					
	Low Traffic Parking Lot	58	0.15	0.39					
<b>TOTAL LOAD</b>									
<b>REQUIRED REDUCTION (%)</b>							85%	85%	50%
<b>REQUIRED REDUCTION (LBS)</b>									

\* Pollutant Load = [EMC, mg/l] X [Volume, AF] X [2.7, Unit Conversion]

\*\* TSS and TP calculations only required for projects not meeting CG1/CG2 or not controlling less than 90% of the disturbed area

## EAST ROCKHILL CODE

### Worksheet 13 — Pollutant Reduction Through BMP Applications\*

\*Fill this worksheet out for each BMP type with different pollutant removal efficiencies. Sum pollutant reduction achieved for all BMP types on final sheet.

BMP Type: \_\_\_\_\_

Disturbed Area Controlled by this BMPs (AC)

**Disturbed Area Controlled by this BMPs:**

	Land Cover Classification	Pollutant			Cover (Acres)	Runoff Volume (AF)	Pollutant Load**		
		TSS EMC (mg/l)	TP EMC (mg/l)	Nitrate-Nitrite EMC (mg/l as N)			TSS** (LBS)	TP** (LBS)	NO <sub>3</sub> (LBS)
Pervious Surfaces	Forest	39	0.15	0.17					
	Meadow	47	0.19	0.3					
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	Res. Driveway, Play Courts, etc.	60	0.46	0.47					
	High Traffic Parking Lot	120	0.39	0.60					
	Low Traffic Parking Lot	58	0.15	0.39					
	<b>TOTAL LOAD TO THIS BMP TYPE</b>								
<b>POLLUTANT REMOVAL EFFICIENCIES FROM APPENDIX A. STORMWATER MANUAL (%)</b>									
<b>POLLUTANT REDUCTION ACHIEVED BY THIS BMP TYPE (LBS)</b>									
<b>POLLUTANT REDUCTION ACHIEVED BY ALL BMP TYPES (LBS)</b>									
<b>REQUIRED REDUCTION from WS12 (LBS)</b>									

\* Pollutant Load = [EMC, mg/l] X [Volume, AF] X [2.7, Unit Conversion]

\*\* TSS and TP calculations only required for projects not meeting CG1/CG2 or not controlling less than 90% of the disturbed area