



Operation and Maintenance Checklist Bioretention and Raingarden

Site Name _____ Address: _____

Inspector: _____ Phone: _____ Date: _____

Last rain: _____ Site conditions: _____

A checklist for maintaining the condition of bioretention as part of a stormwater management system.

A/M/S = how often to inspect = Initially, Annually, Quarterly, Monthly, or after a major Storm

U = item was inspected; needs repair. S = item was inspected; condition satisfactory

Inspection Items	A/M/S	U	S	Comments/Corrective Action
<i>Inlets</i>				
Sediment, debris, or turf obstructs runoff from entering facility.	S			
Erosion or scouring	M			
Sediment accumulation of 3 inches or more in pretreatment forebay or gravel diaphragm	M			
Asphalt and curbing around cell in poor condition	M			
<i>Structure of Facility</i>				
Surface area of cell does not match original design	I/A			
Forebay or gravel diaphragm to capture incoming sediment at head of biocell	I/A			
Erosion of side slopes	M			
Biocell not using full ponding capacity (area of cell blocked, short-circuiting, etc.)	S			
<i>Facility Bed</i>				
Localized depressions or sinkholes within the bed of the facility	S			
Sediment caking or sediment deposits in the bed	M			
Uncovered pile of soil or other fine material in bed	M			
Unstabilized construction site upgradient of cell; leading to erosion or bare soil in drainage area	M			
Facility does not de-water (mostly by infiltration) itself within 48 hours after a storm	S			
Ponding volume does not match the design	S			
Mulch < 2-3" deep and in poor condition	M			
Trash in the the bioretention cell	M			
Erosion in the flat bed of the facility	M			

Vegetation				
Inadequate vegetative cover (dead, missing, thin)	I/A			
Vegetation in poor condition	M			
Weeds or undesirable plants	M			
Lack of maintenance	M			
Outlets				
Outlets have obstructions (sediment and debris)	S			
Underdrains have sediment, debris, and/or standing water	S			
Water in underdrains are not drained within 72 hours after rain event	S			
Any broken cleanouts, missing caps, or cleanouts with stuck caps (inaccessible)	M			

Keep record of your inspections and corrective actions. Use this maintenance checklist to collect information for your annual maintenance report. One function of bioretention is to capture sediment – mostly in a forebay or gravel diaphragm at the inlet – thus, gradual build-up of sediment is expected. Periodically it will have to be removed; a rule of thumb is when you see buildup of 3 inches.

What maintenance has recently been completed?

Note sediment removed from control. Quantity (lb): _____ lb Date: _____

Inspector recommends the following maintenance or repair:

Dates any maintenance needs to be completed by:

Inspector's printed name

Initialed

Date