

Best Management Practices Checklists

Best Management Practices (BMPs) are all different. Each BMP is designed to prevent sediment and/or pollutants from moving off-site. The type of BMPs selected depend upon several factors including location, size of watershed, type of soil, slope, drainage patterns, and design of the project, structural versus nonstructural, and functionality. Because BMPs are all different the post construction maintenance is different as well. The frequency of when they need to be checked may be the same such as after a rain event greater than 1", monthly, semi-annually, or upon a failure. However, the maintenance activity can vary depending on the BMP selected. Below are three commonly used practices and the maintenance activities vary among the practices. For example: Pervious Pavement requires sweeping and vacuuming the sediment from the cracks where a vegetated swale may need to be irrigated or erosion repaired. There are some common items among them such as removing trash, debris, and sediment.

Pervious Pavement Maintenance Inspection Checklist	
BMP Location:	Inspectors Remarks:
Overall Condition (Circle One): Acceptable Unacceptable	
Inspection Date:	

Frequency	Maintenance Activity	Comments
As Needed & Following > 1" Rainfall	<input type="checkbox"/> Repair potholes and patch cracks <input type="checkbox"/> Remove trash, debris and sediment <input type="checkbox"/> Remove weeds and unwanted grass including grass clippings and vegetation trimmings from adjacent landscaped areas <input type="checkbox"/> Sweep or vacuum more frequently depending on traffic, sediment <input type="checkbox"/> Monitor infiltration rate	
Monthly (during growing season)	<input type="checkbox"/> Remove trash, debris, and sediment	
Semi-Annually (spring & fall)	<input type="checkbox"/> Monitor infiltration rate (20"/hr) <input type="checkbox"/> Sweep or vacuum; pressure wash (concrete pavement only) <input type="checkbox"/> Clean inlets draining to subsurface bed and subsurface drain <input type="checkbox"/> Check overflow outlet for clogging	
Annually	<input type="checkbox"/> Check and replenish lost aggregate between pavers <input type="checkbox"/> Check and reseed grassed pavers	
Upon Failure	<input type="checkbox"/> Remove existing pervious pavement and aggregate, was and/or replace and reinstall per manufacturer specifications	

Bioretention (Rain Garden) & Vegetated Swale (Bioswale) Maintenance Inspection Checklist

BMP Location:	Inspectors Remarks:
Overall Condition (Circle One): Acceptable Unacceptable	
Inspection Date:	

Frequency	Maintenance Activity	Comments
As Needed & Following > 1" Rainfall	<input type="checkbox"/> Irrigate if plants appear wilted or unhealthy; replace dead plants <input type="checkbox"/> Check for erosion, cracking embankment failure, burrowing animals, and sediment clogging the drain and other pipes <input type="checkbox"/> Repair erosion with additional plant material similar to original and/ or small stones for stability <input type="checkbox"/> Removed trash, debris, and sediment <input type="checkbox"/> Remove weeds, and invasive plants <input type="checkbox"/> Replace bark mulch on bare, exposed soil	
Monthly (during growing season)	<input type="checkbox"/> Irrigate 1" waster/week during the first growing season <input type="checkbox"/> Check/ clean inlets, outlets/overflows and curb cuts from debris <input type="checkbox"/> Check plants for pest damage or disease <input type="checkbox"/> Remove trash, debris and sediment <input type="checkbox"/> Remove weeds and invasive plants	
Semi-Annually (spring & fall)	<input type="checkbox"/> Redefine lawn edge	
Annually	<input type="checkbox"/> Cut perennial plantings and divide grasses and perennials overcrowding (fall) <input type="checkbox"/> Mow bioswale (>6") (fall) <input type="checkbox"/> Check overflow and subsurface drain; check infiltration and flow-through rates (0.5/hr) <input type="checkbox"/> Check pH of infiltration/planting soil (<5.2 add limestone; >7.0 add iron sulfate plus sulfur) <input type="checkbox"/> Check/correct for uniformity in cross-section and longitudinal slope (bioswale) <input type="checkbox"/> Replace mulch. Minimum every 3 years <input type="checkbox"/> Remove accumulated sediment and replace with approved soil mix, bark mulch and vegetation (> 25% ponding depth for bioretention; > 50% checkdam height for bioswale)	
Upon Failure	<input type="checkbox"/> Redesign and reconstruct	

Dry Pond & Wet Pond Maintenance Inspection Checklist

BMP Location:	Inspectors Remarks:
Overall Condition (Circle One): Acceptable Unacceptable	
Inspection Date:	

Frequency	Maintenance Activity	Comments
As Needed & Following > 1" Rainfall	<ul style="list-style-type: none"> <input type="checkbox"/> Irrigate if plants appear wilted or unhealthy; replace dead plants <input type="checkbox"/> Check/ repair areas with erosion, cracking, embankment failure, burrowing animals, and sediment clogging the drain and other pipes <input type="checkbox"/> Repair erosion and bare soil <input type="checkbox"/> Remove woody vegetation, 15' toe of embankment and mow, 25' from spillway <input type="checkbox"/> Remove trash, debris, and sediment <input type="checkbox"/> Remove weeds and invasive plants 	
Monthly (during growing season)	<ul style="list-style-type: none"> <input type="checkbox"/> Irrigate 1" water/week during the first growing season; maintain low water levels to allow sufficient oxygen to the roots of establishing plants (wet pond shelf) <input type="checkbox"/> Check/clean inlets, outlets/ overflows and trash racks from debris <input type="checkbox"/> Check plants for pest damage or disease <input type="checkbox"/> Remove trash, debris, and sediment <input type="checkbox"/> Mow side slopes and embankments, emergency spillways, and access road (dry pond-maintain bottom at 6-8', Wet pond – allow 5-10' of embankment to grow 24-30") 	
Semi-Annually (spring & fall)	<ul style="list-style-type: none"> <input type="checkbox"/> Check/remove sediment build-up and plant debris (especially <18' of outlet) <input type="checkbox"/> Check water levels with design specifications (wet pond) <input type="checkbox"/> Check/repair any settlement of berms <input type="checkbox"/> Check/remove burrowing animals; repair holes in embankments 	
Annually	<ul style="list-style-type: none"> <input type="checkbox"/> Seed or sod to restore dead or dying grass/groundcover <input type="checkbox"/> Replace mulch every 3 years (min); Replace topsoil every 10 years (min) <input type="checkbox"/> Remove accumulated sediment (> 50% capacity forebay, >25% capacity pond). Minimum 2-10 years (dry Pond), 5-10 years (wet pond) 	
Upon Failure	<ul style="list-style-type: none"> <input type="checkbox"/> Redesign and reconstruct 	