

Wet Biofiltration Swale

Date Inspected _____

Drainage System Feature	Potential Defect	Conditions When Maintenance Is Needed	Results Expected When Maintenance Is Performed Or Not Needed	<input checked="" type="checkbox"/>
General	Sediment Accumulation	Sediment depth exceeds two inches in 10% of the swale treatment area.	Remove sediment deposits in treatment area.	<input type="checkbox"/>
	Water Depth	Water not retained to a depth of about four inches during the wet season.	Build up or repair outlet berm so that water is retained in the wet swale.	<input type="checkbox"/>
	Wetland Vegetation	Vegetation becomes sparse and does not provide adequate filtration, OR vegetation is crowded out by very dense clumps of cattail, which do not allow water to flow through the clumps.	Determine cause of lack of vigor of vegetation and correct. Replant as needed. For excessive cattail growth, cut cattail shoots back and compost off-site. Note: normally wetland vegetation does not need to be harvested unless dieback is causing oxygen depletion in downstream waters.	<input type="checkbox"/>
	Inlet/Outlet	Inlet/outlet area clogged with sediment and/or debris.	Remove clogging or blockage in the inlet and outlet areas.	<input type="checkbox"/>
	Trash and Debris Accumulation	Any trash and debris which exceed five cubic feet per 1,000 square feet (this is about equal to the amount of trash it would take to fill one standard size garbage can). In general, there should be no visual evidence of dumping. If less than threshold all trash and debris will be removed as part of next scheduled maintenance.	Remove trash and debris from wet swale.	<input type="checkbox"/>
Erosion/Scouring	Swale has eroded or scoured due to flow channelization, or higher flows.	Check design flows to assure swale is large enough to handle flows. By-pass excess flows or enlarges swale. Replant eroded areas with fibrous-rooted plants such as <i>Juncus effusus</i> (soft rush) in wet areas or snowberry (<i>Symphoricarpos albus</i>) in dryer areas.	<input type="checkbox"/>	