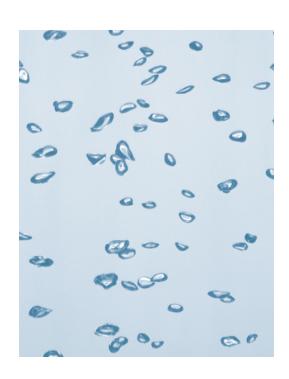
$\begin{array}{c} Appendix \ E \\ \text{Maintenance Inspection Checklist} \end{array}$





Stormwater Ponds and Wetlands

Project/Location:
"As Built" Plans Available?
Date/Time:
Days Since Previous Rainfall and Rainfall Amount:
Inspector:

Maiı	ntenance Item	Satisfactory	Unsatisfactory	Comments
l.	Embankment and Emergency Spillway			
	Vegetation and ground cover adequate			
	Embankment erosion			
	Animal burrows			
	Unauthorized planting			
	Cracking, bulging, or sliding of embankment/dam			
	a. Upstream face			
	b. Downstream face			
	c. At or beyond toe			
	d. Emergency spillway			
	Pond, toe & chimney drains clear and functioning			
	Seeps/leaks on downstream face			
	Slope protection or riprap failure			
	Vertical/horizontal alignment of top of dam "As-Built"			
	Emergency spillway clear of obstructions and debris			
	Other (specify)			
2.	Riser and Principal Spillway			
	Low flow orifice obstructed			
	Low flow trash rack obstructed with debris			
	Weir trash rack obstructed with debris			
	Excessive sediment accumulation insider riser			
	Concrete/masonry condition riser and barrels			
	a. Cracks or displacement			
	b. Minor spalling (<1")			
	c. Major spalling (rebars exposed)			
	d. Joint failures			
	e. Water tightness			
	Metal pipe condition			



Ma	aintenance Item	Satisfactory	Unsatisfactory	Comments
	Control valve			
	a. Operational/exercised			
	b. Chained and locked			
	Pond drain valve			
	a. Operational/exercised			
	b. Chained and locked			
	Outfall channels functioning			
	Other (specify)			
3.	Permanent Pool (Wet Ponds)			
	Undesirable vegetative growth			
	Floating or floatable debris removal required			
	o Visible pollution			
	Shoreline problem			
	Other (specify)			
4.	Sediment Forebay			
	Sedimentation noted			
	Greater than 50% of storage volume remaining			
5.	Dry Pond Areas			
	Vegetation coverage adequate			
	Undesirable vegetative growth			
	Undesirable woody vegetation			
	Low flow channels clear of obstructions			
	Standing water or wet spots			
	Sediment and/or trash accumulation			
	Other (specify)			
6.	Condition of Outfalls			
	Riprap failures			
	Slope erosion			
	Storm drain pipes			
	Endwalls/Headwalls			
	Other (specify)			
7.	Other			
	Complaints from residents (odors, insects, other)			
	Aesthetics (graffiti, algae, other)			
	Conditions of maintenance access routes			
	Signs of hydrocarbon build-up			
	Any public hazards (specify)			



1ai	ntenance Item	Satisfactory	Unsatisfactory	Comments
	Wetland Vegetation			
	Vegetation healthy and growing			
	 Wetland maintaining 50% surface area coverage of wetland plants after the second growing season. (If unsatisfactory, reinforcement plantings needed) 			
	Survival of desired wetland plant species distribution according to landscaping plan?			
	Evidence of invasive species			
	 Maintenance of adequate water depths for desired wetland plant species. 			
	Harvesting of emergent plantings needed			
	Have sediment accumulations reduced pool volume significantly or are plants choked with sediment?			
	Other (specify)			
Го Е	Be Completed By (Date):			



Infiltration Basins and Trenches

Project/Location:
"As Built" Plans Available?
Date/Time:
Days Since Previous Rainfall and Rainfall Amount:
Inspector:

la	laintenance Item S	atisfactory	Unsatisfactory	Comments
	Debris Cleanout			
	Basin bottom or trench surface clear of debris			
	Inlet/Inflow pipes clear of debris			
	Overflow spillway clear of debris			
	Outlet clear of debris			
2.	Sediment Traps or Forebays			
	Sedimentation noted			
	o Greater than 50% of storage volume remaining			
3.	Vegetation (Basins)			
	o Mowing performed as necessary			
	No evidence of erosion			
4.	Dewatering			
	Basin/Trench dewaters between storms			
	O Drawdown time does not exceed 36 to 48 hours			
5.	Sediment Accumulation			
	Approximate depth of accumulated sediment			
6.	Inlets			
	o Good condition			
	No evidence of erosion			
7.	Outlet/Overflow Spillway			
	Good condition, no need for repair			
	No evidence of erosion			
8.	Aggregate Repairs (Trench)			
	Surface of aggregate clean			
	o Top layer of stone does not need replacement			
	Trench does not need rehabilitation			



Maintenance Item	Satisfactory	Unsatisfactory	Comments
9. Structural Repairs			
Embankment in good repair			
Site slopes are stable			
No evidence of erosion			
10. Fences/Access Repairs			
Fences in good condition			
No damage which would allow undesired entry			
Access point in good condition			
Locks and gate function property			
To Be Completed By (Date):			



Filtering Practices - Sand and Organic Filters

Project/Location:
"As Built" Plans Available?
Date/Time:
Days Since Previous Rainfall and Rainfall Amount:
Inspector:

Ma	intenance Item	Satisfactory	Unsatisfactory	Comments
I.	Debris Cleanout			
	Filtration facility clean of debris			
	Inlet and outlets clear of debris			
2.	Oil and Grease			
	No evidence of filter surface clogging			
	Activities in drainage area minimize oil and grease entry			
3.	Vegetation			
	Contributing drainage area stabilized			
	No evidence of erosion			
	Area mowed and clipping removed			
4.	Water Retention			
	Water holding chambers at normal pool			
	Filter chamber dewaters between storms			
	No evidence of leakage			
5.	Sediment Accumulation			
	Approximate depth of accumulated sediment			
	 Depth of sediment in forebay or sump should not be more than 12 inches or 10 percent of the pretreatment volume 			
	Sediment accumulation on filter bed does not exceed I" or drawdown time does not exceed 36 to 48 hours			
6.	Structural Components			
	No evidence of structural deterioration			
	Grates are in good condition			
	No evidence of spalling or cracking of structural parts			
7.	Outlet/Overflow Spillway			
	Good condition, no need for repairs			
	No evidence of erosion (if draining into a natural channel)			



Maintenance Item	Satisfactory	Unsatisfactory	Comments
8. Overall Function of Facility			
No evidence of flow bypassing facility			
No noticeable odors outside facility			
Actions to Be Taken:			
To Be Completed By (Date):			



Filtering Practices - Bioretention

oject/Location:	_
s Built" Plans Available?	
ate/Time:	
ays Since Previous Rainfall and Rainfall Amount:	
spector:	

Ma	intenance Item	Satisfactory	Unsatisfactory	Comments
l.	Debris Cleanout			
	Bioretention and contributing areas clean of debris			
	No dumping of yard wastes into practice			
	Litter (branches, etc.) has been removed			
2.	Vegetation			
	Plant height not less than design water depth			
	Fertilized per specifications			
	Plant composition according to approved plans			
	No placement of inappropriate plants			
	Grass height not greater than 6 inches			
	No evidence of erosion			
3.	Check Dams/Energy Dissipaters/Sumps			
	No evidence of sediment buildup			
	No evidence of erosion at downstream toe of drop structure			
4.	Dewatering			
	Dewaters between storms			
	No evidence of standing water			
5.	Sediment Accumulation			
	Approximate depth of accumulated sediment			
	 Depth of sediment in forebay or sump should not be more than 12 inches or 10 percent of the pretreatment volume 			
	 Sediment accumulation on filter bed does not exceed I" or drawdown time does not exceed 36 to 48 hours 			



Maintenance Item		Satisfactory	Unsatisfactory	Comments
6.	Outlet/Overflow Spillway			
	Good condition, no need for repair			
	No evidence of erosion			
	No evidence of any blockages			
7.	Integrity of Filter Bed			
	Filter bed has not been blocked or filled inappropriately			
То	Be Completed By (Date):			



Water Quality Swales

Project/Location:
As Built" Plans Available?
Date/Time:
Days Since Previous Rainfall and Rainfall Amount:
nspector:

Maintenance Item		Satisfactory	Unsatisfactory	Comments
l.	Debris Cleanout			
	No excessive trash and debris in contributing areas, forebay, or channel			
2.	Check Dams or Energy Dissipators			
	No evidence of flow going around structures			
	No evidence of erosion at downstream toe			
3.	Vegetation			
	 Mowing performed as necessary (to maintain grass height of 4 to 6 inches during growing season) 			
	No evidence of erosion (channel bottom or side slopes)			
	Fertilized per specification			
4.	Dewatering			
	Dewaters between storms (dry swales)			
5.	Sediment Accumulation			
	Approximate depth of accumulated sediment			
	 Sediment accumulation is less than 25% of forebay or channel capacity (cleaning recommended otherwise) 			
6.	Outlet/Overflow Spillway			
	Good condition, no need for repairs			
	No evidence of erosion			
	tions to Be Taken:			