

**BMP Inspection Checklist for Long Term O&M of
Detention Basins**

This form is to be used for long term BMP inspections by inspection staff. A copy of this form is to be left with the development's responsible party, on-site if feasible.

Project:	Inspection Date: ___/___/___	Plan/Permit Number:
-----------------	--	----------------------------

Inspector:	Date Placed in Service: ___/___/___
Location:	

Date of Last Inspection: / /	Owner/ Representative:
As-built Plans Available: Y / N	Rain in last 48 hrs.? Y / N If Y, Amount Rain:

Type of detention basin: Wet Dry Extended Dry

Best Management Practice (BMPs)	Needs Maintenance? Y/N	Investigated Previously? Y/N	Repaired? Y/N	Date Maintenance Must Be Completed By:	Corrective Action Needed
---------------------------------	---------------------------	---------------------------------	------------------	--	--------------------------

General

1	Is there trash and/or debris present?					
2	Is there evidence of contamination and/or pollutants? (ex. Oil, gasoline, paint, etc.)					
3	Is there evidence of pests? (ex. mosquitos, wasp/hornet nests, rodent holes, beaver dams)					
4	Is there insufficient, or unhealthy, cover vegetation?					
5	Is there excessive growth of vegetation? (ex. brush, nuisance trees, other woody veg., etc.)					
6	If BMP has a planting plan, does the vegetation match the plan?					

Side Slopes of Basin

7	Is there evidence of erosion?					
8	Is there excessive growth of vegetation? (ex. brush, nuisance trees, other woody veg., etc.)					

Storage Area

9	Is there an accumulation of sediment?					
10	Is the liner (if applicable) visible and have more than three 1/4 inch hole in it?					

Embankment and Abutments

11	Is there discernable water flow through the berm(s)?					
12	Has any part of the berm settled four (4) inches lower than the design elevation?					
13	Is there encroachment on the basin or easement by buildings or other structures?					

Outlet

14	Is there evidence of erosion around outlet or in receiving stream?					
15	Are there trash, debris, or other obstructions in the outlet structure, overflow, and/or channel?					
16	Is the outlet structure in good condition and operating properly?					

Additional Comments: See photos # _____

Overall conditions of Facility: Acceptable Unacceptable

Action Taken: Verbal Warning Written Warning Notice of Violation

"I certify that the information submitted is, to the best of my knowledge and belief, true, and complete."

Signature:

Date:

**BMP Inspection Checklist for Long Term O&M of
Grass Swales**

This form is to be used for long term BMP inspections by inspection staff. A copy of this form is to be left with the development's responsible party, on-site if feasible.

Project:	Inspection Date: ___/___/___	Plan/Permit Number:
-----------------	--	----------------------------

Inspector:	Date Placed in Service: ___/___/___
Location:	

Date of Last Inspection: / /	Owner/ Representative:
As-built Plans Available: Y / N	Rain in last 48 hrs.? Y / N If Y, Amount Rain:

Grass swales should annually be inspected in the Spring.

Best Management Practice (BMPs)	Needs Maintenance? Y/N	Investigated Previously? Y/N	Repaired? Y/N	Date Maintenance Must Be Completed By:	Corrective Action Needed
---------------------------------	---------------------------	---------------------------------	------------------	--	--------------------------

General, Contributing Drainage Area, Pre-Treatment, and Filter Media/Soil

1	Is there adequate access to the pre-treatment facility?				
2	Is there trash, debris, and/or landscaping waste present?				
3	Is there evidence of contamination and/or pollutants? (ex. Oil, gasoline, paint etc.)				
4	Is there landscaping waste present?				
5	Is there evidence of erosion?				
6	Is there evidence of mosquito proliferation?				
7	Is there evidence of clogging such as standing water, foul odors, water stains, algae or floating aquatic vegetation?				
8	Is there evidence of chemicals or undesirable fertilizers present?				

Inlets and Outlets

9	Are inlets/outlets obstructed? Is erosion evident around or below the inlet/outlet?				
10	Does the inlet provide stable conveyance into the swale?				

Underdrains

11	Is there evidence of the underlying soil media being clogged? (i.e. soil crusting, standing water and lack of dewatering between storms)				
12	Is the perforated pipe conveying water as designed? Are pipes clogged with debris or roots that have				
13	Is there evidence of slumping, cracking, or other indicators of surface deterioration?				

Vegetation

16	Is grass cover dense enough or dead/dying?				
17	Are invasive species or weeds contributing to more than 10% of the facilities vegetation?				
18	Do trees form an overhead canopy that may drop materials (leaves or fruit) that may cause clogging?				

Check Dams

14	Is there evidence of undercutting or side cutting on either the up stream or down stream side of check dam?				
15	Is there a large accumulation of sediment or trash/debris behind the check dam?				

BMP Inspection Checklist for Long Term O&M of

Grass Swales

Additional Comments: See photos # _____

Overall conditions of Facility: Acceptable Unacceptable

Action Taken: Verbal Warning Written Warning Notice of Violation

"I certify that the information submitted is, to the best of my knowledge and belief, true, and complete."

Signature:

Date:

**BMP Inspection Checklist for Long Term O&M of
Rooftop Disconnection**

This form is to be used for long term BMP inspections by inspection staff. A copy of this form is to be left with the development's responsible party, on-site if feasible.

Project:	Inspection Date: ___/___/___	Plan/Permit Number:
-----------------	--	----------------------------

Inspector:	Date Placed in Service: ___/___/___
Location:	

Date of Last Inspection: / /	Owner/ Representative:
As-built Plans Available: Y / N	Rain in last 48 hrs.? Y / N If Y, Amount Rain:

Best Management Practice (BMPs)	Needs Maintenance? Y/N	Investigated Previously? Y/N	Repaired? Y/N	Date Maintenance Must Be Completed By:	Corrective Action Needed
---------------------------------	---------------------------	---------------------------------	------------------	---	--------------------------

Piping, Gutters, Drains and Pre-Treatment Sumps

1	Is fluid from another source being piped near pervious areas?					
2	Is there sediment and/or debris accumulation?					
3	Is there evidence of mosquitos proliferation?					
4	Is runoff entering the receiving pervious area?					
5	Is the downspout disconnected?					

Manufactured Products

6	Is the downspout broken or not functioning correctly?					
---	---	--	--	--	--	--

Downstream Treatment

7	Have the receiving treatment units been maintained?					
8	Is there ponding at the point of disconnect?					
9	Is there erosion evident at the disconnection, bioretention/rain gardens, filter paths, or foundation planter?					
10	Is the disconnection discharge being disturbed?					
11	Do the receiving pervious area(s) have original dimensions as shown on plans?					
12	Is there encroachment on the receiving pervious area(s) or easement by buildings or other structures?					
13	If planter is used, is the planter structurally sound? Is there evidence of rot or cracks?					

Additional Comments: See photos # _____

Overall conditions of Facility: Acceptable Unacceptable

Action Taken: Verbal Warning Written Warning Notice of Violation

"I certify that the information submitted is, to the best of my knowledge and belief, true, and complete."

Signature:

Date:

BMP Inspection Checklist for Long Term O&M of

Bioretention and Rain Gardens

This form is to be used for long term BMP inspections by inspection staff. A copy of this form is to be left with the development's responsible party, on-site if feasible.

Project:	Inspection Date: ___/___/___	Plan/Permit Number:
Inspector:	Date Placed in Service: ___/___/___	
Location:		
Date of Last Inspection: / /	Owner/ Representative:	
As-built Plans Available: Y / N	Rain in last 48 hrs.? Y / N If Y, Amount Rain:	
Underdrain? Y / N	Hydraulic Configuration: On-line facility / Off-line facility	
Filtration Media:	Type of Pre-Treatment Facility:	

Bioretention facilities should be inspected and cleaned annually during the Spring. In the initial 6 months after installation, the site should be inspected at least twice after storm events that exceed 1/2-inch of rainfall. During the first two months following installation weekly watering is necessary. After the first two months, watering should be done as needed during the first growing season (April-October). If vegetation needs to be replaced, one-time spot fertilization may be needed. If possible, use an organic fertilizer rather than a chemical fertilizer. Each bioretention facility should have a customized routine maintenance schedule to address typical vegetation growth and degradation. (i.e. mowing, weeding, erosion repair, pruning etc.)

	Needs Maintenance? Y/N	Investigated Previously? Y/N	Repaired? Y/N	Date Maintenance Must Be Completed By:	
General					
1					Is there trash and/or debris present?
2					Is there evidence of contamination and/or pollutants? (ex. Oil, gasoline, paint etc.)
3					Is there evidence of erosion?
4					Is there evidence of mosquito proliferation?
5					Are there complaints from local residents?
6					Is there encroachment on the receiving pervious area(s) or easement by buildings or other structures?
Contributing Drainage Area and Pre-Treatment					
7					Is ponding present? Is there evidence of clogging of the inlets/outlets/ bypass?
8					Is there dead vegetation or exposed soil?
9					Is there dead vegetation or exposed soil?
Inlets					
10					Is there sediment build-up near inlets that prevent flow from getting into the bed?
11					Is there trash or debris entering inlet?
Vegetation					
12					Are invasive plants or weeds present?
13					Are there indications of diseased or infested trees and/or shrubs?
Underdrains and Outflow					
14					Are outlet structures clogged or obstructed?
15					Are cleanouts capped and properly connected to underdrain?

BMP Inspection Checklist for Long Term O&M of

Bioretention and Rain Gardens

Filter Media

16	Are there signs of erosion, settlement (depressions in media), or compaction?					
17	Bioretention soil media can become clogged when runoff carries high quantities of sediment. Is there evidence of crusting, standing water or the facility not dewatering between storms or longer than 48 hour after a storm?					
18	Is there dead vegetation or exposed soil?					
19	Evaluate the topsoil condition. Is the pH level appropriate (6-7) and composition (loamy sand or sandy loam) appropriate?					

Additional Comments: See photos # _____

Overall conditions of Facility: Acceptable Unacceptable

Action Taken: Verbal Warning Written Warning Notice of Violation

"I certify that the information submitted is, to the best of my knowledge and belief, true, and complete."

Signature: _____

Date: _____

**BMP Inspection Checklist for Long Term O&M of
Permeable Pavement**

This form is to be used for long term BMP inspections by inspection staff. A copy of this form is to be left with the development's responsible party, on-site if feasible.

Project:	Inspection Date: ___/___/___	Plan/Permit Number:
-----------------	--	----------------------------

Inspector:	Date Placed in Service: ___/___/___
Location:	

Date of Last Inspection: / /	Owner/ Representative:
As-built Plans Available: Y / N	Rain in last 48 hrs.? Y / N If Y, Amount Rain:

Permeable pavement should annually be inspected in the Spring at a minimum.

Best Management Practice (BMPs)	Needs Maintenance? Y/N	Investigated Previously? Y/N	Repaired? Y/N	Date Maintenance Must Be Completed By:	Corrective Action Needed
---------------------------------	---------------------------	---------------------------------	------------------	--	--------------------------

General, Contributing Drainage Area, Treatment Cells, and Flow Diversion Structures

1	Is there trash, debris, and/or landscaping waste present?				
2	Is there evidence of contamination and/or pollutants? (ex. Oil, gasoline, paint etc.)				
3	Is there landscaping waste present?				
4	Is there evidence of erosion?				
5	Is there evidence of mosquito proliferation?				
6	Is there encroachment on the receiving pervious area(s) or easement by buildings or other structures?				

Adjacent Vegetation

7	Are roots of adjacent (within 5 ft) trees and shrubs penetrating and clogging the pavement?				
---	---	--	--	--	--

Pavement Surface and Structural Integrity

8	Is loose material (e.g., bark, soil/sand, gravel, etc.) stored on the pavement surface?				
9	Is pavement stained, clogged, and/or ponding				
10	Is there evidence of slumping, cracking, or other indicators of surface deterioration?				

Underdrains and Outflow

11	Are outlet structures clogged or obstructed?				
12	Is there erosion and soil exposure evident below the outlet?				
13	Is each observation well or cleanout still capped?				

Additional Comments: See photos # _____

Overall conditions of Facility: Acceptable Unacceptable

Action Taken: Verbal Warning Written Warning Notice of Violation

"I certify that the information submitted is, to the best of my knowledge and belief, true, and complete."

Signature:

Date: