

# Appendix A

## Annual Stormwater BMP Inspection Forms

## Stormwater BMP Owner Inspection Form – Vegetated Swale

Address: \_\_\_\_\_ Owner: \_\_\_\_\_

Legal: \_\_\_\_\_

Date: \_\_\_\_\_ Engineer: \_\_\_\_\_ Phone#: ( ) \_\_\_\_\_

### I. REASON FOR INSPECTION

<input type="checkbox"/> Routine	<input type="checkbox"/> Response to Complaint	<input type="checkbox"/> Follow-up
<input type="checkbox"/> Water Quality Storm	<input type="checkbox"/> Initial	<input type="checkbox"/> Other: _____

### II. BMP'S AND INSPECTION RESULTS

Item	Inspection Results*	BMP's in General	
1	Apparent Problems	No problems	BMP does not appear to be well maintained.
2	Design flaws	No flaws	BMP observed to have a significant design flaw which lessens its effectiveness.
3	Unauthorized Modifications	No modifications	BMP has unauthorized modifications that reduce its effectiveness.
4	BMP removed	BMP Present	BMP has been destroyed or removed from the property.
5	Trash	No Trash	Trash and debris has accumulated on/in BMP. Yard waste in BMP.
6	Contaminated	Uncontaminated	Evidence of oil, gasoline, contaminants or other pollutants.
7	Smells	Doesn't smell	Unpleasant odors from the BMP.
Item	Inspection Results*	BMP: Vegetated Swale (Wet/Dry) or Channel	
1	Clogged	Not clogged	Flow spreader uneven or clogged so flows are not uniformly distributed across BMP.
2	Sediment Accumulated	No accumulated sediment	Forebay sediment depth exceeds 50% of design capacity.
3	Sediment Accumulated	No accumulated sediment	Sediment depth exceeds 2 inches on more than 10% of the vegetated treatment area or interferes with BMP performance
4	Erosion or Scouring	No erosion or scouring	Eroded or scoured areas due to flow channelization, higher flows, wind or water.
5	Poor vegetation	Proper Vegetation	Planted vegetation is sparse or bare or eroded patches occur in more than 10% of the BMP
6	Nuisance plants	Proper Vegetation	Planted vegetation is excessively tall; nuisance weeds, invasive or noxious vegetation are overgrown; vegetation reduces free movement of water through BMP.
7	Brush/trees	Proper Vegetation	Growth of brush and trees does not allow for proper maintenance.
8	Standing water	No Standing water	Water is observed within the BMP (between storms) & appears not to drain freely or soil is excessively soggy. Excessive ponding of water within vegetated swale or other BMP
9	Clogged	Not clogged	Inlet/Outlet clogged or obstructed with sediment and/or debris
10	Flow	No flow	Small quantities of water flow through the vegetated swale, even when it has been dry for weeks, and an eroded, muddy channel has formed in the swale bottom.
11	Plant stress	No Stress	Plant stress evident from inadequate watering
12	Needs mowing	Grass mowed	Grass is overgrown.

\*(If an item in the left column is checked, corrective maintenance is required)

1. Is maintenance needed at this time?       Yes     No

2. Are mosquitoes or mosquito larvae present?       Yes     No

Comments/Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### II. FOLLOW-UP

1. Describe corrective actions needed:  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Date corrected: \_\_\_\_\_



## Stormwater BMP Owner Inspection Form – Infiltration Basin

Address: \_\_\_\_\_ Owner: \_\_\_\_\_

Legal: \_\_\_\_\_

Date: \_\_\_\_\_ Engineer: \_\_\_\_\_ Phone#: ( ) \_\_\_\_\_

### I. REASON FOR INSPECTION

<input type="checkbox"/> Routine	<input type="checkbox"/> Response to Complaint	<input type="checkbox"/> Follow-up
<input type="checkbox"/> Water Quality Storm	<input type="checkbox"/> Initial	<input type="checkbox"/> Other: _____

### II. BMP'S AND INSPECTION RESULTS

Item	Inspection Results*	BMP's in General	
1	Apparent Problems	No problems	BMP does not appear to be well maintained.
2	Design flaws	No flaws	BMP observed to have a significant design flaw which reduces its effectiveness.
3	Unauthorized Mods	No modifications	BMP has unauthorized modifications that reduce its effectiveness.
4	BMP removed	BMP Present	BMP has been destroyed or removed from the property.
5	Trash	No Trash	Trash & debris has accumulated on/in BMP. Yard waste in BMP.
6	Contaminated	Uncontaminated	Evidence of oil, gasoline, contaminants or other pollutants.
7	Smells	Doesn't smell	Unpleasant odors from the BMP.

Item	Inspection Results*	BMP: Infiltration Basin	
1	Clogged	Not clogged	Flow spreader uneven or clogged so flows are not uniformly distributed across BMP.
2	No Sediment Trapped	Sediment Trapped	The forebay is not trapping sediment before it reaches infiltration basin.
3	Silted in	Enough capacity	Capacity in sediment forebay is less than 50% of design capacity.
4	Inlets need Repair	Inlets in good Condition	Inlets/pipes are crushed, deformed, damaged, corroded, and in need of repair.
5	Flow bypasses Facility	Flow enters BMP	Flow bypasses facility by overtopping berms, erosion channels, or other means.
6	Weeds	No weeds	Invasive, nuisance vegetation or weeds are present
7	Brush/trees	Proper Vegetation	Growth of brush & trees does not allow for proper maintenance. Dead, diseased, or dying trees are present. Tree growth on berms or emergency spillway- 4' in height or covering more than 10% of spillway
8	Sediment Accumulated	No accumulated Sediment	Sediment in storage areas, rock filters, and pre-settling ponds and vaults prevents infiltration
9	Erosion	No Erosion	Eroded damage over 2" deep; potential for continued erosion; any erosion on a compacted berm embankment; soil from adjacent areas washes into/on BMP; continued erosion is prevalent.
10	Rodent holes	No rodent holes	If facility acts as a dam or berm, any evidence of rodent holes, or any evidence of water piping through dam or berm via rodent holes.
11	Insects	No insects	Wasps, hornets, bees interfere with maintenance activities. Excessive or nuisance levels.
12	Standing water	No standing water	Water is observed within the BMP (between storms) & appears not to drain freely or soil is excessively soggy. Excessive ponding of water within BMP

\*(If an item in the left column is checked, corrective maintenance is required)

1. Is maintenance needed at this time?       Yes     No

2. Are mosquitoes or mosquito larvae present?       Yes     No

Comments/Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### II. FOLLOW-UP

1. Describe corrective actions needed:  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Date corrected: \_\_\_\_\_







## Stormwater BMP Owner Inspection Form - Bioretention

Address: \_\_\_\_\_ Owner: \_\_\_\_\_

Legal: \_\_\_\_\_

Date: \_\_\_\_\_ Engineer: \_\_\_\_\_ Phone#: ( ) \_\_\_\_\_

### I. REASON FOR INSPECTION

<input type="checkbox"/> Routine	<input type="checkbox"/> Response to Complaint	<input type="checkbox"/> Follow-up
<input type="checkbox"/> Water Quality Storm	<input type="checkbox"/> Initial	<input type="checkbox"/> Other: _____

### II. BMP'S AND INSPECTION RESULTS

Item	Inspection Results*	BMP's in General	
1	Apparent Problems	No problems	BMP does not appear to be well maintained.
2	Design flaws	No flaws	BMP observed to have a significant design flaw which lessens its effectiveness.
3	Unauthorized Modifications	No modifications	BMP has unauthorized modifications that reduce its effectiveness.
4	BMP removed	BMP Present	BMP has been destroyed or removed from the property.
5	Trash	No Trash	Trash & debris has accumulated on/in BMP. Yard waste in BMP.
6	Contaminated	Uncontaminated	Evidence of oil, gasoline, contaminants or other pollutants.
7	Smells	Doesn't smell	Unpleasant odors from the BMP.
Item	Inspection Results*	BMP: Bioretention	
1	Clogged	Not clogged	Flow spreader uneven or clogged so flows are not uniformly distributed across BMP
2	Sediment accumulated	No accumulated sediment	Sediment depth exceeds 2 inches on more than 10% of the vegetated treatment area or interferes with BMP performance
3	Erosion or scouring	No erosion or scouring	Eroded or scouring areas (including spillway) due to flow channelization, higher flows, wind or water
4	Poor vegetation	Proper vegetation	Planted vegetation is sparse or bare or eroded patches occur in more than 10% of the BMP. Vegetation is not higher than ponding depth
5	Nuisance plants	Proper vegetation	Planted vegetation is excessively tall; nuisance weeds, invasive or noxious vegetation are overgrown; vegetation reduces free movement of water through BMP
6	Brush/trees	Proper vegetation	Growth of brush & trees does not allow for proper maintenance
7	Standing water	No standing water	Water is observed within the BMP (between storms) & appears not to drain freely or soil is excessively soggy. Excessive ponding of water within vegetated swale or other BMP
8	Clogged	Not clogged	Inlet/outlet clogged or obstructed with sediment and/or debris
9	Flow	No flow	Small quantities of water flow through the BMP, even when it has been dry for weeks, & an eroded, muddy channel has formed in the bottom
10	Clogged	Not clogged	Overflow clogged or obstructed with sediment and/or debris
11	Obstructed	Open	Stone diaphragm obstructed or covered with weeds or sediment

\*(If an item in the left column is checked, corrective maintenance is required)

1. Is maintenance needed at this time?       Yes     No

2. Are mosquitoes or mosquito larvae present?       Yes     No

3. Comments/Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### II. FOLLOW-UP

1. Describe corrective actions needed:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Date corrected: \_\_\_\_\_

## Stormwater BMP Owner Inspection Form – Rain Garden

Address: \_\_\_\_\_ Owner: \_\_\_\_\_  
 Legal: \_\_\_\_\_  
 Date: \_\_\_\_\_ Engineer: \_\_\_\_\_ Phone#: ( ) \_\_\_\_\_

### I. REASON FOR INSPECTION

<input type="checkbox"/> Routine	<input type="checkbox"/> Response to Complaint	<input type="checkbox"/> Follow-up
<input type="checkbox"/> Water Quality Storm	<input type="checkbox"/> Initial	<input type="checkbox"/> Other: _____

### II. BMP'S AND INSPECTION RESULTS

Item	Inspection Results*	BMP's in General	
1	Apparent Problems	No problems	BMP does not appear to be well maintained.
2	Design flaws	No flaws	BMP observed to have a significant design flaw which lessens its effectiveness.
3	Unauthorized Modifications	No modifications	BMP has unauthorized modifications that reduce its effectiveness.
4	BMP removed	BMP Present	BMP has been destroyed or removed from the property.
5	Trash	No Trash	Trash & debris has accumulated on/in BMP. Yard waste in BMP.
6	Contaminated	Uncontaminated	Evidence of oil, gasoline, contaminants or other pollutants.
7	Smells	Doesn't smell	Unpleasant odors from the BMP.
Item	Inspection Results*	BMP: Raingarden	
1	Sediment accumulated	No accumulated sediment	Sediment depth exceeds 2" on more than 10% of the vegetated treatment area or interferes with BMP performance
2	Erosion or scouring	No erosion or scouring	Eroded or scoured areas (including spillway) due to flow channelization, higher flows, wind or water
3	Poor vegetation	Proper vegetation	Planted vegetation is sparse or bare or eroded patches occur in more than 10% of the BMP
4	Nuisance plants	Proper vegetation	Planted vegetation is excessively tall; nuisance weeds, invasive or noxious vegetation are overgrown; vegetation reduces free movement of water through BMP
5	Brush/trees	Proper vegetation	Growth of brush & trees does not allow for proper maintenance
6	Standing water	No standing water	Water is observed within the BMP (between storms) & appears not to drain freely or soil is excessively soggy. Excessive ponding of water within vegetated swale or other BMP
7	Clogged	Not clogged	Inlet/outlet clogged or obstructed with sediment and/or debris
8	Flow	No flow	Small quantities of water flow through the BMP, even when it has been dry for weeks, and an eroded, muddy channel has formed in the swale bottom
9	Clogged	Not clogged	Overflow clogged or obstructed with sediment and/or debris

\*(If an item in the left column is checked, corrective maintenance is required)

1. Is maintenance needed at this time?  Yes  No

2. Are mosquitoes or mosquito larvae present?  Yes  No

3. Comments/Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### II. FOLLOW-UP

1. Describe corrective actions needed:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Date corrected: \_\_\_\_\_





