

# Wet Detention Basin Checklist for Annual Maintenance Inspection

<b>BMP ID:</b>	<b>Date:</b>
<b>Site/Project Name:</b>	

**Important Note:** It should be noted that the items included in this inspection checklist are not an exhaustive list of inspection items for any specific structural control (Stormwater BMP). As each BMP is different, perform a comprehensive inspection of the facility and list all items found during the inspection on the inspection checklist, even though all may not be listed on this checklist.

## Checklist Code Key

<b>FF</b>	<b>Fully Functional (No Problems Found) = Pass for Inspection</b>
<b>MFI</b>	<b>Minor Functional Issues, Pass for Inspection</b>
<b>PF</b>	<b>Partially Functional (Repairs Needed) = Fail the Inspection</b>
<b>NF</b>	<b>Not Functional (Repairs Needed) = Fail the Inspection</b>
<b>N/A</b>	<b>Not Applicable</b>

1. **Minor Functional Issues (MFIs)** can be corrected during routine maintenance throughout the year.
2. **Partially Functional (PF)** and **Not Functional (NF)** status for any checklist components requires a failed inspection. BMP inspector will re-visit the site for a follow-up inspection to ensure deficiencies are repaired.

Assessment	Code Status (Select Only One (✓))					Comments
	FF	MFI	PF	NF	N/A	

## INFLOW POINTS

Obstruction: vegetation/debris/sediment						
Erosion/undercutting						
Displacement/blockage of inlet or rip-rap, aprons, fabric, etc.						
Pipe condition						
Other/Comments						

## FOREBAY

Sediment/debris accumulation						
Bare soil/erosion on side slopes						
Invasive vegetation						
Other/Comments						

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	FF	MFI	PF	NF	N/A	
<b>MAIN TREATMENT AREA</b>						
<i>Note: Replace plants within littoral shelf as necessary per original approved construction plans. Invasive vegetation should be no more than 5% of the surface area. Approval from Stormwater Manager is required prior to any application of herbicide or other chemical application. If algae is dominant, causing blockage, or impairing any water quality/quantity aspect of the BMP, include photo and use best professional to determine whether condition warrants correcting prior to passing inspection.</i>						
Visible signs of water pollution (ex. muddy water)						
Sediment/debris accumulation						
Trash accumulation						
Littoral shelf condition						
Invasive vegetation						
Algae cover issues (see above)						
Bare soil/erosion on side slopes						
Side slopes maintained as mowed/covered						
Emergency spillway properly armored and free of woody vegetation						
Water level returns to permanent pool elevation per design drawdown time						
Other/Comments						

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<b>EMBANKMENT/DAM</b>						
<i>* Note: Ideally shrubs/trees should not exist on an earthen embankment dam. However, if greater than 6" diameter breast height; they should not be removed unless approved by Stormwater Manager. Approval from Stormwater Manager shall be required prior to any application of herbicide or other chemical application.</i>						
Bare soil, erosion, loss of dam material						
Shrubs/trees present <6" diameter breast height						
Animal burrows						
Grass cover is eroding/unhealthy						
Signs of seepage on downstream face						
Signs of structural failure: i.e., horizontal/vertical cracks						
Upslope, top, and downslope maintained as mowed						
Overall structural condition						
Other/Comments						
<b>OUTLET DEVICE</b>						
<i>* Note: It is recommended that the pond drain be exercised twice a year to prevent freezing</i>						
Obstructed pipe, trash rack, or draw-down orifice						
Erosion/undercutting						
Joint failure/loss of joint material, soil piping						
Overall structural condition						
Leaking devices						
Sediment in pipe						
Displacement/blockage of outlet or rip-rap, aprons, fabric, etc.						
Other/Comments						



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## Inspection Results:

**PASS / CERTIFIED**

INSPECTION FOUND NO PROBLEMS, AS IT RELATES TO THE FUNCTIONALITY OR PUBLIC SAFETY ASPECTS OF THE BMP.

**PASS / CERTIFIED/MINOR ISSUES WHICH CAN BE CORRECTED THROUGH ROUTINE YEAR ROUND MAINTENANCE**

INSPECTION FOUND MINOR PROBLEMS THAT ARE NOT HAVING AN IMPACT ON THE CURRENT FUNCTIONALITY OR PUBLIC SAFETY ASPECTS OF THE FACILITY. HOWEVER, LEAVING THESE PROBLEMS UNADDRESSED WILL IMPAIR THE BMP LONG TERM FUNCTIONALITY.

**FAIL (REPAIRS CAN BE COMPLETED WITHIN 90 DAYS)**

INSPECTION FOUND APPARENT PROBLEMS WHICH NEED IMMEDIATE ATTENTION. COMPLETE THE REPAIR AND/OR MAINTENANCE ITEMS NOTED ON THIS INSPECTION CHECKLIST WITHIN 90-DAYS. A RE-INSPECTION PRIOR TO OR AT THE 90-DAY INTERVAL WILL BE CONDUCTED TO ENSURE REPAIRS ARE MADE. FAILURE TO REPAIR THE STORMWATER BMP AFTER 90-DAYS WILL RESULT IN ENFORCEMENT ACTIONS.

**FAIL (REPAIR PLAN MUST BE INITIATED WITHIN 30 DAYS)**

INSPECTION FOUND THE BMP NOT FUNCTIONAL AND IN A MANNER THAT SIGNIFICANTLY DIFFERS (NEGATIVELY) FROM THE ORIGINAL DESIGN PLANS, OR IS IN A STATE OF DISREPAIR OR FUNCTIONAL FAILURE. A REPAIR PLAN INCLUDING THE REPAIRS NOTED ON THIS INSPECTION CHECKLIST SHALL BE CREATED IMMEDIATELY. REPAIR PLANS NOT CREATED IMMEDIATELY WILL RESULT IN ENFORCEMENT ACTIONS. INIATE THE REPAIR PLAN WITHIN 30 DAYS. A RE-INSPECTION AT THE 30 DAY INTERVAL WILL BE CONDUCTED TO ENSURE THE REPAIR PLAN IS INITIATED. FAILURE TO INITIATE THE REPAIR PLAN TO THE STORMWATER BMP AFTER 30 DAYS WILL RESULT IN ENFORCEMENT ACTIONS.

## Inspection Signature:

Based upon my inspection of this Stormwater BMP, I hereby certify that to the best of my knowledge, the Stormwater Best Management Practice inspected is (CHECK ONE ONLY)

IN COMPLIANCE

NOT IN COMPLIANCE

with the original or most recent approved design plans, maintenance standards, and the terms and conditions of the approved Operations and Maintenance Agreement (if applicable).

## Signature

Inspection by (print): \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_