

# DINWIDDIE COUNTY

## ENVIRONMENTAL DEPARTMENT

### BMP OPERATION & MAINTENANCE INSPECTION (WET PONDS)

1. A licensed professional engineer must conduct all inspections.
2. All items must be inspected, and any discrepancies and necessary repairs must be noted.
3. Upon completion of the inspection, one (1) copy, indicating the discrepancies and repairs, is to be forwarded by the inspection firm to the: **Dinwiddie County Planning & Zoning Department, Attn: Environmental Administrator, P.O. Drawer 70 Dinwiddie, VA 23841**. This form is to be typed or in black/blue ink only. No color ink or pencil will be accepted.

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#### **General Information**

Name of Project \_\_\_\_\_

Location of Project \_\_\_\_\_

Owner of Facility \_\_\_\_\_ Inspection Date \_\_\_\_\_

Does the current inspection, as summarized hereon, identify maintenance needs?                      YES                      NO

If yes, please complete the BMP Maintenance Follow-up portion.

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#### **Facility Information**

Facility Type	Level 1	Level 2
Hydraulic Configuration	On-line	Off-line
Pond Characteristics and Functions (check all that apply)	Water Quality Treatment	Channel Protection
	Ties into Groundwater	Single Cell Pond
	Extended Detention Included	Multi-Cell Pond
	One or More Wetland Cells	
Type of Pre-Treatment Facility	Sediment Forebay	Vegetated Buffer Area
	Grass Filter Strip	Grass Channel
	Other	

### **Contributing Drainage Area**

Excessive trash/debris	YES	NO	N/A
Adequate vegetation	YES	NO	N/A
Evidence of erosion / bare soils	YES	NO	N/A
Excessive landscape waste/yard clippings	YES	NO	N/A

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### **Pre-Treatment**

Adequate access to the pre-treatment facility	YES	NO	N/A
Excessive trash/debris/sediment	YES	NO	N/A
Evidence of erosion/exposed soils	YES	NO	N/A
Sediment deposit are 50% or more of forebay capacity	YES	NO	N/A
Dead vegetation	YES	NO	N/A
Sediment marker not vertical	YES	NO	N/A

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### **Inlet**

Provides a stable conveyance into the pond	YES	NO	N/A
Excessive trash/debris/sediment	YES	NO	N/A
Evidence of erosion/undercutting at or around the inlet	YES	NO	N/A
Provides a stable conveyance into the pond	YES	NO	N/A
Woody growth on the forebay dam	YES	NO	N/A
Cracking, bulking, erosion or sloughing on forebay dam	YES	NO	N/A
Animal burrows	YES	NO	N/A
More than 1 inch of settlement	YES	NO	N/A
Inlet alignment is incorrect	YES	NO	N/A

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**Vegetation**

Invasive species are present	YES	NO	N/A
Trees planted in the buffer and on wetland islands and peninsulas need watering during the first growing season	YES	NO	N/A
Grass around the facility is overgrown	YES	NO	N/A
Vegetation is dead or reinforcement planting is needed	YES	NO	N/A

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**Permanent Pool and Side Slopes**

Excessive trash and/or debris	YES	NO	N/A
Evidence of sparse vegetative cover, erosion or slumping side slopes	YES	NO	N/A
Animal burrows	YES	NO	N/A
Significant sediment accumulation	YES	NO	N/A

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**Riser/Principle Spillway and Low-Flow Orifice(s)**

There is adequate access to the riser for maintenance.	YES	NO	N/A
Pieces of the riser are deteriorating, misaligned, broken or missing	YES	NO	N/A
Adjustable control valves are accessible and operational	YES	NO	N/A
Reverse-slope pipes and flashboard risers are in good condition	YES	NO	N/A
Evidence of clogging	YES	NO	N/A
Seepage into conduit	YES	NO	N/A
Excessive trash, debris, or other obstructions in the trash rack	YES	NO	N/A

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### **Dam/Embankment and Abutments**

There is sparse veg. cover, settlement, cracking, bulging, misalignment, erosion rills deeper than 2 inches, or sloughing of the dam	YES	NO	N/A
Soft spots, seepage, boggy areas or sinkholes present	YES	NO	N/A
Animal burrows	YES	NO	N/A
Woody growth on the embankment	YES	NO	N/A

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### **Overflow/Emergency Spillway**

Woody growth on the spillway	YES	NO	N/A
Excessive trash, debris, or other obstructions	YES	NO	N/A
Evidence of erosion/backcutting	YES	NO	N/A
Soft spots, seepage, or sinkholes	YES	NO	N/A
Only one layer of stone armoring exists above native soil	YES	NO	N/A

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### **Outlet**

Outlet provides a stable conveyance from pond	YES	NO	N/A
Woody growth within 5 feet of the outlet pipe barrel	YES	NO	N/A
Excessive trash, debris, or other obstructions	YES	NO	N/A
Excessive sediment deposits at the outlet	YES	NO	N/A
Discharge is causing undercutting, erosion or displaced rip-rap at or around the outlet	YES	NO	N/A

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**BMP Maintenance Follow-up**

(Only to be completed if there are needed repairs)

Individual or company who performed the maintenance: \_\_\_\_\_

Individual who oversaw the performed maintenance: \_\_\_\_\_

Date the maintenance was completed: \_\_\_\_\_

Did the maintenance solve the identified problem(s)?      YES      NO

**Description of Maitnence Performed** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

**Attach before and after photos to this form of areas that need to be corrected.**

**Engineer's Information**

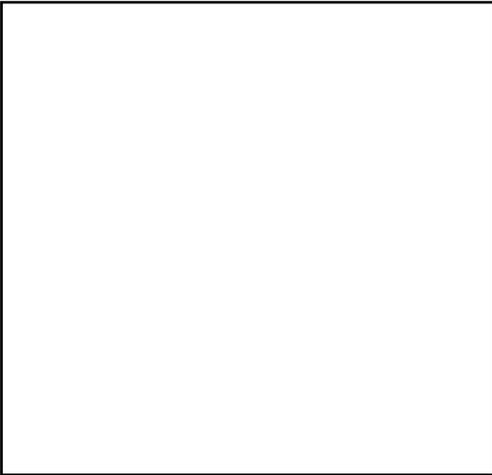
Inspected By: \_\_\_\_\_, P.E.

Firm: \_\_\_\_\_

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

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Signature: \_\_\_\_\_  
(\*must be by the P.E. performing the inspection)



*\* Place signed/dated Professional Stamp*

**County Use Only**

Date Received \_\_\_\_\_ Next Inspection Date \_\_\_\_\_

Accepted By: \_\_\_\_\_  
(Dinwiddie County Environmental Administrator)