

DINWIDDIE COUNTY

ENVIRONMENTAL DEPARTMENT

BMP OPERATION & MAINTENANCE INSPECTION (BIORETENTION BASIN)

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.

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.

Facility Information

Facility Type	Level 1	Level 2	
Hydraulic Configuration	On-line	Off-line	
Filtration media	No filtration Peat	Sand Other	Bioretention Soil
Type of Pre-Treatment Facility	Sediment Forebay Sedimentation Chamber Grass Filter Strip Other	Plunge Pool Stone Diaphragm Grass Channel	

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
Oil, grease or other unauthorized substances are entering the facility	YES	NO	N/A

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
Evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation, or oil/grease)	YES	NO	N/A
Dead vegetation/exposed soil in the grass filter	YES	NO	N/A

Inlet

Sediment build-up at curb cuts, gravel diaphragms or pavement edges that prevent flow from getting into the bed	YES	NO	N/A
Evidence of bypassing	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

Vegetation

75 - 90% mulch and vegetation cover	YES	NO	N/A
Mulch depth is 2 -3 inches deep.	YES	NO	N/A

Plant composition is consistent with the approved plans.	YES	NO	N/A
Evidence of hydrocarbons or other deleterious materials, resulting in unsatisfactory plant growth or mortality.	YES	NO	N/A
Invasive species or weeds make up at least 10% of the facility's vegetation. If so, remove.	YES	NO	N/A
Grass is too high	YES	NO	N/A
Evidence of diseased dying or dead vegetation	YES	NO	N/A

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

Filter Media

The filter media is too low, too compacted, or the composition is inconsistent with design specifications	YES	NO	N/A
The mulch is older than 3 years or is otherwise in poor condition	YES	NO	N/A
There is evidence that chemicals, fertilizers, and/or oil/grease are present	YES	NO	N/A
There is excessive trash, debris, or sediment.	YES	NO	N/A
There is evidence of concentrated flows, erosion or exposed soil	YES	NO	N/A
The filter bed is clogged and/or filled inappropriately	YES	NO	N/A

The topsoil is in poor condition (e.g., the pH level is not 6-7, the composition is inappropriate, etc.)	YES	NO	N/A
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Underdrain/Proper Drainage

The perforated pipe is not conveying water as designed	YES	NO	N/A
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The underlying soil interface is clogged (there is evidence on the surface of soil crusting, standing water, the facility does not dewater between storms, or water ponds on the surface of basin for more than 48 hours after an event).	YES	NO	N/A
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Planters

The planter is unable to receive or detain stormwater prior to infiltration. Water does not drain from the reservoir within 3-4 hours of after a storm event.	YES	NO	N/A
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The planter has structural deficiencies, including rot, cracks, and failure, or the planter is unable to contain the filter media or vegetation	YES	NO	N/A
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Outlet/Overflow Spillway

Outlets are obstructed or erosion and soil exposure is evident below the outlet.	YES	NO	N/A
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There is excessive trash, debris, or sediment at the outlet	YES	NO	N/A
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Any grates present are in good condition	YES	NO	N/A
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Observation Well

The observation well is capped	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 _____

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

Engineer's Information

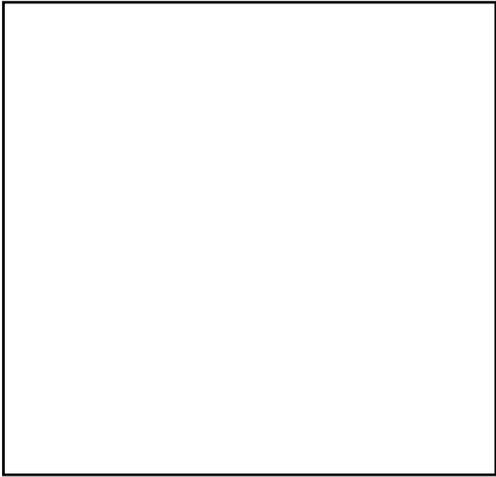
Inspected By: _____, P.E.

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)