



Submit report to:
City of Lynchburg
525 Taylor Street
Lynchburg, Virginia 24501
Attn: Stormwater BMP
434-455-4250

**WET SWALES: O&M CHECKLIST – Virginia Stormwater Management Handbook
Chapter 9-C.12.0.**

Inspection Date _____

Project _____ Site Plan/Permit Number _____

Location _____ Date BMP Placed in Service _____

Date of Last Inspection _____ Inspector _____

Owner/Owner's Representative _____

As-Built Plans available: Y / N

Facility Type: Level 1 _____ Level 2 _____

Facility Location:

- Surface
- Underground

Filtration Media:

- No filtration (e.g., dry well, permeable pavement, infiltration facility, etc.)
- Sand
- Bioretention Soil
- Peat
- Other: _____

Hydraulic Configuration:

- On-line facility
- Off-line facility

Type of Pre-Treatment Facility:

- Sediment forebay (above ground)
- Sedimentation chamber
- Plunge pool
- Stone diaphragm
- Grass filter strip
- Grass channel
- Other: _____

Wet Swales have maintenance needs similar to Dry Swales, although woody wetland vegetation may need to be removed periodically.

| Element of BMP | Potential Problem | Y / N | How to Fix Problem | Who Will Address Problem | Comments |
|-----------------------------------|--|-------|---|--------------------------|----------|
| Contributing Drainage Area | There is excessive trash and debris | | Remove immediately | Owner or professional | |
| | There is evidence of erosion and / or bare or exposed soil | | Stabilize immediately | Owner or professional | |
| | There are excessive landscape waste or yard clippings | | Remove immediately and recycle or compost | Owner or professional | |
| Pre-Treatment | There is adequate access to the pre-treatment facility | | Establish adequate access | Professional | |
| | There is excessive trash, debris, or sediment. | | Remove immediately | Owner or professional | |
| | There is evidence of erosion and / or exposed soil | | Stabilize immediately | Owner or professional | |
| | There is evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation) | | Identify and eliminate the source of the problem. If necessary, remove and clean or replace the clogged material. | Professional | |
| | There is dead vegetation. | | Replace dead vegetation as necessary | Professional | |
| Inlets | The inlet provides a stable conveyance into the swale | | Stabilize immediately, as needed, and clear blockages. | Owner or professional | |
| | There is excessive trash, debris, or sediment. | | Remove immediately | Owner or professional | |
| | There is evidence of erosion at or around the inlet | | Repair erosion damage and reseed | Owner or professional | |
| Check Dams | A check dam is not functioning properly. | | Check upstream and downstream sides of check dams for evidence of undercutting, side cutting or erosion and repair immediately. | Professional | |
| | There is a large accumulation of sediment or trash/debris behind the check dam. | | Remove sediment when the accumulation exceeds 25% of the original Tv. Remove trash/debris and clear blockages of weep holes. | Professional | |
| Vegetation (monthly) | Plant composition is consistent with the approved plans | | Replace inconsistent species | Professional | |
| | Invasive species (e.g., phragmites) are present. | | Remove invasive species immediately and replace vegetation as needed. | Professional | |
| | Vegetation is dead or dying | | Replace dead vegetation as needed. | Professional | |

| Element of BMP | Potential Problem | Y / N | How to Fix Problem | Who Will Address Problem | Comments |
|----------------|--|-------|--|--------------------------|----------|
| Outlet | Outlets are obstructed or erosion and soil exposure is evident below the outlet. | | Remove obstructions and stabilize eroded or exposed areas. | Owner or Professional | |
| | There is excessive trash, debris, or sediment at the outlet | | Remove immediately, and keep the contributing area free of trash and debris. | Owner or professional | |
| Overall | Access to the Infiltration facility or its components is adequate. | | Establish adequate access. Remove woody vegetation and debris that may block access. Ensure that hardware can be opened and operated. | Professional | |
| | Mosquito proliferation | | Eliminate stagnant pools if feasible, and treat for mosquitoes as needed. If sprays are considered, then a mosquito larvicide, such as Bacillus thurendensis or Altoside formulations can be applied <i>only if absolutely necessary</i> . | Owner or professional | |
| | Complaints from local residents | | Correct real problems. | Owner or professional | |
| | Encroachment on the swale or easement by buildings or other structures | | Inform involved property owners of BMPs status ; clearly mark the boundaries of the receiving pervious area, as needed | Owner or professional | |