



Submit report to:
 City of Lynchburg
 525 Taylor Street
 Lynchburg, VA 24502
 Attn: Stormwater Compliance Inspector

City of Lynchburg Stormwater Utility
 Annual Stormwater Maintenance Agreement Inspection for **Filtering**
Practices
 Due Every April 1st

| | |
|--|---|
| Owner Name: | |
| Property Address: Street: City: Zip code: | |
| Date BMP placed in service: | |
| Parcel Number: | As-built plans available: Y N |
| Date of Inspection: | Date of Last Inspection: |
| Phone Number: | Email address: |

Warning: If the filtration facility has a water tight cover—be careful regarding the possibility of flammable gases within the facility. Care should be taken lighting a match or smoking while inspecting facilities that are not vented. If the facilitation facility is in a completely enclosed vault, the **OSHA Confined Space Entry** procedures must be followed.

Check all that apply:

- | | | |
|---|--|---|
| Facility Location: <input type="checkbox"/> Surface <input type="checkbox"/> Underground Hydraulic configuration: <input type="checkbox"/> On-line facility | Filtration Media: <input type="checkbox"/> No filtration media (e.g. dry well) <input type="checkbox"/> Sand <input type="checkbox"/> Bioretention soil <input type="checkbox"/> Peat <input type="checkbox"/> Other: | Type of Pretreatment: <input type="checkbox"/> Sediment forebay (above ground) <input type="checkbox"/> Sedimentation chamber <input type="checkbox"/> Grass channel <input type="checkbox"/> Grass filter strip <input type="checkbox"/> Plunge pool <input type="checkbox"/> Stone diaphragm <input type="checkbox"/> Other: |
|---|--|---|

Checklist—Virginia Stormwater Management Handbook, chapter 9

| BMP Element | Frequency | Problem | Yes or No? | Corrective Action |
|----------------------------|-----------|--|------------|-------------------|
| Contributing Drainage Area | On-going | Excessive trash/debris | | |
| | | Bare exposed soil | | |
| | | Evidence of erosion | | |
| | | Excessive landscape waste/yard clippings | | |
| Pretreatment | On-going | Maintenance access to pretreatment facility | | |
| | | Excessive trash/debris/sediment | | |
| | | Evidence of standing water: ponding, noticeable odors, water stains, presence of algae or floating aquatic vegetation. | | |
| | | Evidence of clogging | | |

Checklist—Virginia Stormwater Management Handbook, chapter 9

| BMP Element | Frequency | Problem | Yes or No? | Corrective Action |
|----------------------------------|-----------------|---|------------|--|
| Pretreatment | On-going | Dead vegetations/exposed soil | | |
| | | Evidence of erosion | | |
| Inlets | On-going | Inlets provide stable conveyance into facility | | |
| | | Excessive trash/debris/sediment accumulation at inlet | | |
| | | Evidence of erosion at/around inlet | | |
| Overflows or Emergency Spillways | Every two years | 50% of the conveyance capacity is plugged | | Overflow spillway shall be cleared of sediment and debris. |
| | | Erosion channels are forming | | Source of erosion damage shall be identified and controlled. |
| | | Sand is exposed and eroding from wind or rain. | | Rocks or other armament shall be replaced. |
| Flow By-pass structure | Twice per year | Flows through the strip short circuit the overflow control section | | Check that the structure is not clogged. Manually clean out debris immediately. Repair rills and gulls. |
| Observation Well | Every 2 years | Condition of element is poor. | | Replace observation well if needed and make sure it is still capped. |
| Sediment/debris Management | Annually | The capacity volume of the infiltration basin is compromised by sedimentation. Gauges located at the opposite ends of the basin indicate too much debris. | | Sediment and debris exceeding 4" in depth shall be removed every 2-5 years or sooner if performance is affected. Restricted sources of sediment and debris, such as discarded lawn clippings, shall be identified and prevented. |
| Underdrain | Every 5-7 years | The drawdown rate should be measured at the observation well for three days following a storm event in excess of 0.5 inches. If standing water is still observed in the well after 3 days, this is a clear sign that clogging is a problem. | | Immediately contact a professional to clear debris. |
| | | Standing water is present 48 hours after a rain event. | | The underdrain may be clogged. It is imperative to clear out the debris using a high pressure hose (if needed) or manually. |
| Vegetation | Monthly | Invasive vegetation contributes more than 25% or more of all vegetation. | | Nuisance or prohibited vegetation shall be removed when discovered. |
| | | Vegetative density is less than 90% cover in the boundary zone or grass filter. | | Reseed and fertilize (if necessary) exposed soil. |
| | | Fallen leaves and debris from deciduous plant foliage is present. | | Rake and remove immediately. |
| | | Plant composition consistent with approved plans. | | |
| | | Presence of invasive species/weeds. | | |

Dead vegetation/exposed soil

Checklist—Virginia Stormwater Management Handbook, chapter 9

| BMP Element | Frequency | Problem | Yes or No? | Corrective Action |
|---|-----------------|--|------------|---|
| Level spreader | Twice per year | Level spreader is not performing properly. Flows are concentrating on the outflow side of the element. | | Search the spreader for chips, cracks, or any other fundamental compromise of the structure. Immediately repair. |
| Basin Inlet | Twice per year | Stormwater flow to the vegetated basin is restricted. Weedy growth on rock surfaces might indicate sediment deposition or clogging. | | Sources of erosion shall be identified and controlled when native soil is exposed or erosion channels are present. Inlet shall be cleared when conveyance capacity is plugged. Rock splash pads shall be replenished to prevent erosion. |
| | | 40% of the conveyance capacity is plugged. Sediment is more than 4 inches thick or so thick as to damage or kill vegetation. | | Inlet shall be cleared of sediment and debris. Sediment accumulation shall be hand-removed with minimum damage to vegetation using proper erosion control measures. |
| Filter Media | Annually | Stormwater does not percolate uniformly through the planter. If water remains 36-48 hours after storm, sources of possible clogging shall be identified and corrected. | | Filter media may need to be raked, excavated and cleaned, or gravel/soil shall be replaced to correct the problem. Holes that are not consistent with the design and allow water to flow directly through the planter to the ground shall be plugged. Sediment accumulation shall be hand removed with minimum damage to vegetation using proper erosion control measures. Sediment shall be removed if it is more than 4 inches thick or so thick as to damage or kill vegetation. Litter and debris shall be removed routinely. (e.g. no less than quarterly) and upon discovery. |
| Forebay | Every 2-5 years | Stormwater runoff is not properly filtering down | | Remove debris and trash. Sediment buildup above 50% of the facility capacity shall be removed. Structural deficiencies in the sand filter box (rot, cracks, and failure shall be repaired upon discovery. |
| Outlet | On-going | Outlets provide stable conveyance out of facility | | |
| | | Excessive trash/debris/sediment accumulation at inlet | | |
| | | Evidence of erosion at/around inlet | | |
| Overall | On-going | Maintenance access to facility | | |
| | | Condition of structural components | | |
| | | Condition of hydraulic control components | | |
| | | Excessive trash/debris/sediment | | |
| | | Evidences of erosion | | |
| | | Evidence of oil/chemical accumulation | | |
| | | Evidence of standing water; ponding, noticeable odors, water stains, presence of algae or floating aquatic vegetation | | |
| | | Complaints from local residents | | |
| | | Mosquito proliferation | | |
| Encroachment on facility or easement by buildings or other structures | | | | |

