

Filter Strip, Level Spreader, and Restored Riparian Buffer BMP Maintenance Plan

A maintenance record will be kept on this BMP in a log in a known set location. Any deficient BMP elements noted in the inspection will be corrected, repaired or replaced immediately. These deficiencies can affect the integrity of structures, safety of the public, and the removal efficiency of the BMP.

Important maintenance procedures:

- Immediately after the filter strip is established, any newly planted vegetation will be watered twice weekly if needed until the plants become established (commonly six weeks).
- Once a year, the filter strip will be reseeded to maintain a dense growth of vegetation
- Stable groundcover will be maintained in the drainage area to reduce the sediment load to the vegetation.
- Two to three times a year, grass filter strips will be mowed and the clippings harvested to promote the growth of thick vegetation with optimum pollutant removal efficiency. Turf grass should not be cut shorter than 3 to 5 inches and may be allowed to grow as tall as 12 inches depending on aesthetic requirements (NIPC, 1993). Forested filter strips do not require this type of maintenance.
- Once a year, the soil will be aerated if necessary.
- Once a year, soil pH will be tested and lime will be added if necessary.

Maintenance activities shall be performed as follows. Any problems that are found shall be repaired immediately.

Filter Strip/Level Spreader/Restored Riparian Buffer Maintenance Tasks and Schedule	
Task	Schedule
Trash debris and removal	Monthly
Stabilization of erosion and channeling	Monthly
Mowing	Monthly-maintain 2-6 inches in height
Check outlet pipes (if present) for clogging	Monthly
Repair flow dispersion device to avoid formation of channels	Monthly
Remove sediment from filter strip	Semi-Annually
Reseed filter strip	Annually
Inspect for any undercutting	Monthly
Inspect for any settlement	Monthly
Replace eroded riprap or stone	Monthly
Mowing	Monthly-maintain 2-6 inches in height
Remove sediment from forebay	Annually
Remove large stemmed vegetation	Annually
Repair all concentrated flows	As needed