

VEGETATED FILTER STRIPS



GENERAL INSPECTION QUESTIONS

Note: ‘Yes’ indicates a maintenance need and action

General:

1. Is access to the site inadequately maintained for inspection and maintenance?
- YES / NO
2. Are grass clippings present in the drainage area or within the system [inlet structure, pretreatment, main treatment, and outlet structure]? (Note: grass clippings should be removed)
- YES / NO

Drainage Area: (pertains to the surrounding landscape that will contribute runoff to the practice)

3. Is there any exposed or unstable soil that could cause sediment accumulation within the practice?
- YES / NO
4. Do the drainage ways (overland flow or pipes) to the practice have trash, debris, large branches, etc. present?
- YES / NO

Inlet Structure:

5. If present, are there cracks or structural damage to the flow/level spreader?
- YES / NO
6. Does this area have trash, debris, and sediment present?
- YES / NO
7. Is there evidence of runoff short-circuiting (going around) the filter?
- YES / NO
8. Is there evidence of gullies, rills, or erosion around the inlet or pre-treatment structure?
- YES / NO

GOOD EXAMPLES

9. Does the area around the inlet structure need to be mowed?
- YES / NO

10. If a diversion structure (high flow bypass structure or overflow spillway) is present, is there presence of trash, debris, or sediment?
- YES / NO

Main Treatment:

11. Is the grass between 3–12 inches, or between 6–15 inches along a roadway?
- YES / NO
12. Is there evidence of gullies, rills, or erosion in the filter?
- YES / NO
13. Has sediment accumulated in the filter?
- YES / NO
14. Is there evidence of long-term ponding or standing water in the practice? (e.g., stains, odors, mosquito larvae, etc.)
- YES / NO
15. Is there any evidence of fertilizer use on plants? (e.g., fertilizer crusting on surface of soil, tips of leaves turning brown or yellow, blackened roots, etc.)
- YES / NO

Outlet Structure:

16. Do these structures have trash, debris, or sediment present?
- YES / NO
17. Is there evidence of erosion, scour, or flooding around the structure?
- YES / NO

COMMENTS: _____

QUALITATIVE INSPECTION QUESTIONS (GOOD/MARGINAL/POOR)

Note: ‘Poor’ indicates a maintenance need and action

18. Rate the presence of debris (e.g., leaves or trash) in the filter.
- GOOD (<25% of area)
- MARGINAL (25–50%)
- POOR (>50%)
19. Rate the presence of undesirable vegetation (e.g., unwanted or invasive).
- GOOD (<25% of area)
- MARGINAL (25–50%)
- POOR (>50%)
20. Rate the condition of plant health (percentages indicate dying/stressed).
- GOOD (<25% of area)
- MARGINAL (25–50%)
- POOR (>50%)

EXAMPLES OF POTENTIAL ISSUES:



18 Debris (Poor)



8 Inlet Erosion



20 Plant Health (Poor)



17 Outlet Erosion



6 Sediment



16 Debris



12 Erosion & 20 Plant Health (Marginal)



20 Plant Health (Marginal)



13 Sediment Accumulation



20 Plant Health (Marginal)



2 Grass Clippings