



UNIVERSITY OF MINNESOTA  
**Stormwater Treatment:  
 Assessment and Maintenance**

**Field Data Sheet for Level 1 Assessment: Visual Inspection  
 Infiltration Basins and Trenches**

Inspector's Name(s): \_\_\_\_\_  
 Date of Inspection: \_\_\_\_\_  
 Location of the infiltration practice: \_\_\_\_\_  
 Address or Intersection: \_\_\_\_\_  
 Latitude, Longitude: \_\_\_\_\_  
 Date the infiltration practice began operation: \_\_\_\_\_  
 Filter Size (ft. x ft.): \_\_\_\_\_  
 Time since last rainfall (hr): \_\_\_\_\_  
 Quantity of last rainfall (in): \_\_\_\_\_  
 Rainfall Measurement Location: \_\_\_\_\_

*Site Sketch (include inlets, north arrow, etc.)*

Based on visual assessment of the site, answer the following questions and make photographic or video-graphic documentation:

1. Has visual inspection been conducted at this location before?  Yes  No  I don't know
  1. a) If yes, enter date: \_\_\_\_\_
  1. b) Based on previous visual inspections, have any corrective actions been taken?  
 Yes  No  I don't know (If yes, describe actions in comments box)
2. Has it rained within the last 48 hours at this location?  Yes  No  I don't know
3. Does this infiltration practice utilize pretreatment practices upstream?  
 Yes  No  I don't know (If yes, describe pretreatment practices in comment box)
4. Access
  4. a) Access to the infiltration basin or trench is:  
 Clear  Partially obstructed  Mostly obstructed  Inaccessible
  4. b) If obstructed, the obstruction is (choose and provide comments) :  
 temporary **and**  no action needed **or**  action needed  
 permanent **and**  before or during installation **or**  new since installation
  4. c) Access to the upstream and downstream drainage is:  
 Clear  Partially obstructed  Mostly obstructed  Inaccessible
  4. d) If obstructed, the obstruction is (choose and provide comments) :  
 temporary **and**  no action needed **or**  action needed  
 permanent **and**  before or during installation **or**  new since installation

Comments

Infiltration Practices

5. Inlet Structures

5. a) How many inlet structures are present?  0  1  2  3  4  5  > 5  
 5. b) Are any of the inlet structures clogged? (If yes, mark location on site sketch above and fill in boxes below with items causing clogging (ie. debris, sediment, vegetation, etc.)

	Inlet #:	Inlet #:	Inlet #:	Inlet #:	Inlet #:
Partially					
Completely					
Not Applicable					

5. c) Are any of the inlet structures askew or misaligned from the original design or otherwise in need of maintenance? (if yes, write in reason: frost heave, vandalism, unknown, etc.)

	Inlet #:	Inlet #:	Inlet #:	Inlet #:	Inlet #:
Reason					

6. Is there standing water in the filtration practice?  Yes  No

6. a) If yes, does the water have:  
 Surface sheen (from oils or gasoline)  
 Murky color (from suspended solids)  
 Green color (from algae or other biological activity)  
 Other (describe in comment box)

7. Is there evidence of illicit storm sewer discharges?  
 Yes  No  I don't know (if yes, describe in comment box)

8. Does the infiltration basin or trench smell like gasoline or oil?  Yes  No

9. What is the approximate percentage of vegetation coverage in the practice? \_\_\_\_\_ %

10. Are there indications of any of the following in the infiltration practice? (If yes, mark on site sketch)

- Sediment deposition that will significantly impede infiltration
- Erosion or channelization
- Bare soil or lack of healthy vegetation significantly different from the original design
- Litter or debris
- Standing water more than 48 hours after the end of the most recent runoff event
- Other
- No

10. a) If sediment deposition is evident, what is the source?  
 Erosion or channelization inside the infiltration practice  
 Erosion or channelization outside the infiltration practice  
 Construction site erosion  
 Other  
 Unknown

Comments

Infiltration Practices

11. Are there indications of any of the following on the banks of the infiltration basin or trench:

- Erosion or channelization
- Soil slides or bulges
- Excessive animal burrows
- Seeps and wet spots
- Poorly vegetated areas
- Trees on constructed slopes

12. Is the bottom of the infiltration basin or trench covered with a layer of silts and/or clays?

- Yes  No

13. Are any overflow structures clogged?  No  Partially  Completely  NA

13. a) If yes, specify the clogging material (i.e. debris, sediment, vegetation, etc.) in the box below.

	Outlet #:	Outlet #:	Outlet #:
Material			
Partial or Comp.			

13. b) Are any of the overflow structures askew or misaligned from the original design or otherwise in need of maintenance? (if yes, write in reason: frost heave, vandalism, unknown, etc.)

	Outlet #:	Outlet #:	Outlet #:
Reason			

14. Inspector's Recommendations. When is maintenance needed?

- Before the next rainfall
- Before the next rainy season
- Within a year or two
- No sign that any is required

Comments

15. Summarize the results of this inspection and write any other observations in the box below.

***Summary and other observations***

