

Dry Pond/Infiltration Basin Stormwater BMP Maintenance Guidance

Table 9.4: Typical maintenance activities for infiltration basins and trenches (Adapted from Watershed Management Institute (WMI) 1997).

| Activity | Schedule |
|---|----------------------------------|
| <ul style="list-style-type: none"> ◆ Remove sediment and oil/grease from pretreatment devices and overflow structures ◆ Mow and remove litter and debris ◆ Stabilize of eroded banks, repair undercut and eroded areas at inflow and outflow structure | Standard Maintenance (As Needed) |
| <ul style="list-style-type: none"> ◆ Inspect pretreatment devices and diversion structures for signs of sediment buildup and structural damage ◆ If dead or dying grass is evident at the bottom or the basin/ trench, check to ensure water percolates within 2-3 days following significant rain events | Semi-Annual Inspection |
| <ul style="list-style-type: none"> ◆ Disc or otherwise aerate bottom ◆ De-thatch basin bottom | Annual Maintenance |
| <ul style="list-style-type: none"> ◆ If bypass capability is available, it may be possible to regain or increase the infiltration rate in the short term by providing an extended dry period. | 5-year Maintenance |
| <ul style="list-style-type: none"> ◆ Total rehabilitation of the trench to maintain storage capacity within 2/3 of the design treatment volume and 72-hour exfiltration rate ◆ Excavate trench walls to expose clean soil | Upon Failure |

Links:

[https://stormwater.pca.state.mn.us/index.php?title=Operation and maintenance of bioretention and other stormwater infiltration practices](https://stormwater.pca.state.mn.us/index.php?title=Operation_and_maintenance_of_bioretention_and_other_stormwater_infiltration_practices)

[https://stormwater.pca.state.mn.us/index.php?title=Overview and schedule of general maintenance activities for bioretention and infiltration practices](https://stormwater.pca.state.mn.us/index.php?title=Overview_and_schedule_of_general_maintenance_activities_for_bioretention_and_infiltration_practices)

[https://stormwater.pca.state.mn.us/index.php?title=Common problems and how to troubleshoot them for bioretention and infiltration practices](https://stormwater.pca.state.mn.us/index.php?title=Common_problems_and_how_to_troubleshoot_them_for_bioretention_and_infiltration_practices)

<http://stormwaterbook.safl.umn.edu/infiltration/maintenance-infiltration-practices>