

BIOINFILTRATION/BIORETENTION MAINTENANCE GUIDANCE

Bioinfiltration/bioretention maintenance activities focus largely on maintaining infiltration capacity and the health of vegetation. During periods of extended drought, bioinfiltration/bioretention SMPs may require watering approximately every ten days.

General recommended maintenance activities for bioinfiltration/bioretention SMPs are summarized in Table 4.1-5.

The designer is referred to Section 4.10, Pretreatment, Section 4.11, Inlet Controls, and Section 4.12, Outlet Controls, for information on maintenance guidance for pretreatment, inlet controls, and outlet controls.

**TABLE 4.1-5:
Bioinfiltration/Bioretention Maintenance Guidelines**

	ACTIVITY	FREQUENCY
EARLY	Water vegetation at the end of each day for two weeks after planting is completed.	<i>Daily for two weeks after installation</i>
	Water vegetation regularly to ensure successful establishment.	<i>Every four days during periods of four or more days without rain, June through August for the first year after installation</i>
	Inspect vegetation for signs of disease or distress.	<i>Biweekly for the first year after installation</i>
	Inspect inlet controls, outlet structures, and storage areas for trash and sediment accumulation.	<i>Monthly for the first year after installation to determine ongoing maintenance frequency</i>
ONGOING	Remulch void areas.	<i>As Needed</i>
	Treat diseased trees and shrubs.	
	Keep overflow free and clear of leaves.	
	Inspect soil and repair eroded areas.	<i>Monthly</i>
	Remove litter and debris.	
	Clear leaves and debris from overflow.	
	Inspect trees and shrubs to evaluate health, replacing if necessary.	<i>Quarterly</i>
	Inspect underdrain cleanouts.	
	Add additional mulch.	
	Inspect for sediment build-up, erosion, and vegetative conditions	<i>Ongoing</i>
Evaluate the drain down time of the SMP after a storm of at least one inch in no more than 24-hours to ensure an SMP drain down time of less than 72 hours.		
Maintain records of all inspections and maintenance activity.		