

SUBSURFACE INFILTRATION MAINTENANCE GUIDANCE

Maintenance of subsurface infiltration SMPs focuses on the periodic removal of sediment and debris from pretreatment and storage areas. Sediment removal from vaults, chambers, and pipes is typically conducted using vacuum or flushing systems. Guidance on the use and operation of vacuum or flushing sediment removal equipment is beyond the scope of this Manual; a maintenance professional should be contacted for additional details. As applicable, subsurface SMP maintenance procedures must meet OSHA confined space entry requirements. General recommended maintenance activities for subsurface infiltration SMPs are summarized in Table 4.4-1.

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 4.4-1:
Subsurface Infiltration Maintenance Guidelines**

	ACTIVITY	FREQUENCY
EARLY	Inspect erosion control and flow spreading devices until soil settlement and vegetative establishment of contributing areas has occurred.	<i>Biweekly</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	Regularly clean out gutters and catch basins to reduce sediment load to infiltration SMP. Clean intermediate sump boxes, replace filters, and otherwise clean pretreatment areas in directly connected systems.	<i>As Needed</i>
	Remove of sediment and debris from subsurface infiltration SMP sedimentation chamber, as applicable, when the sediment zone is 3/4 full.	
	Remove sediment and debris from pipe/vault systems. Sediment depth is not to reach a maximum depth of four inches below the SMP's outlet invert elevation. Removal of sediment from grid systems must be per manufacturer's recommendations or as per the site-specific maintenance plan.	
	Inspect subsurface infiltration facility and control structures.	<i>Quarterly</i>
	Remove floating debris and accumulated petroleum products.	
	Evaluate the drain down time of the SMP after a storm of at least one inch to ensure a SMP drain down time of less than 72 hours.	<i>Ongoing</i>
	Maintain records of all inspections and maintenance activity.	