

# DRAINAGE WELL MAINTENANCE GUIDANCE

Maintenance of drainage wells 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. Considerations for inspection and maintenance equipment access to the drainage well and associated structures are critical to successful long-term maintenance. 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 drainage wells are summarized in Table 4.15-1.

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 4.15-1:  
Drainage Well 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. Remove debris and sediment as necessary.   | <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 drainage well. Clean intermediate sump boxes, replace filters, and otherwise clean pretreatment areas in directly connected systems.   | <i>As Needed</i>  |
|   | Remove sediment and debris from drainage well pretreatment sediment/grit chamber or separator, if applicable, when the sediment zone is 3/4 full. Sediment and debris build up may need to be removed by a professional. Consult with a professional as necessary. |   |
|   | Remove sediment and debris from drainage well when the sediment accumulates to three inches or more.   | <i>Quarterly</i>  |
|   | Replace filter bags for pre-treatment devices. Please ensure filter bag is installed properly.   |   |
|   | Inspect drainage well and control structures.  |   |
| Remove floating debris and accumulated petroleum products from the system and all components.   | <i>Ongoing</i>   |   |
| Evaluate the drain down time of the drainage well after a storm of at least one inch to ensure a drain down time of less than 72 hours. |  |   |
|   | Maintain records of all inspections and maintenance activity.  |   |