

MEDIA FILTER MAINTENANCE GUIDANCE

All areas of the filter should be inspected regularly and after significant storm events for ponding, sediment and/or debris accumulation, and damage. Corrective measures should be taken when ponding, sediment and/or debris accumulation, and/or damage occurs.

In areas where the potential exists for the discharge and accumulation of toxic pollutants (such as metals), filter media removed from filters must be handled and disposed of in accordance with all City, State, and Federal regulations.

General recommended maintenance activities and frequencies for media filters are summarized in Table 4.9-1.

If the SMP design proposes modifications to the approved saturated hydraulic conductivity of media filters, appropriate modifications should be made to the maintenance schedule (Table 4.9-1) for the proposed management practice. For example, utilizing an increased filtration rate for sand is appropriate if the maintenance schedule includes increased frequency of sediment removal and replacement of filter media.

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 4.9-1:
Media Filter Maintenance Guidelines**

| ACTIVITY | FREQUENCY |
|--|------------------|
| Rake filter media surface for the removal of trash and debris from control openings. | <i>As needed</i> |
| Repair leaks from the sedimentation chamber or deterioration of structural components. | |
| Inspect filter for standing water (filter drainage is not optimal) and discoloration (organics or debris have clogged filter surface). | <i>Quarterly</i> |
| Remove the top few inches of filter media and cultivate the surface when filter bed is clogged. | <i>Annually</i> |
| Clean out accumulated sediment from filter bed chamber. | |
| Clean out accumulated sediment from sedimentation chamber. | |
| Maintain records of all inspections and maintenance activity. | <i>Ongoing</i> |