

DESCRIPTION:

Proper maintenance and siltation removal is required on both a routine and corrective basis to promote effective storm water pollutant removal efficiencies for wet/dry detention pond and infiltrative devices.

APPROACH:

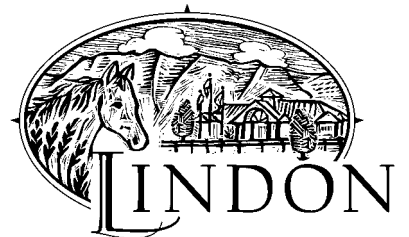
- ▶ Remove silt after sufficient accumulation.
- ▶ Periodically clean accumulated sediment and silt out of pre-treatment inlets.
- ▶ Infiltration device silt removal should occur when the infiltration rate drops below ½ inch per hour.
- ▶ Removal of accumulated paper, trash, and debris should occur every six months or as needed to prevent clogging of control devices.
- ▶ Vegetation growth should not be allowed to exceed 18 inches in height.
- ▶ Mow the slopes periodically and check for clogging, erosion and tree growth on the embankment.
- ▶ Corrective maintenance may require more frequent attention (as required).
- ▶ Create a public education campaign to explain the function of wet/dry detention pond/infiltration devices and their operation requirements for proper effectiveness.
- ▶ Encourage the public to report wet/dry detention pond/infiltration devices needing maintenance.

LIMITATIONS:

- ▶ Wet detention pond dredging can produce slurried waste that often exceeds the requirements of many landfills.
- ▶ Frequent sediment removal is labor and cost intensive.

PROGRAM ELEMENTS

- New Development
- Residential
- Commercial Activities
- Industrial Activities
- Municipal Facilities
- Illegal Discharges



Adapted from Salt Lake County BMP Fact Sheet

TARGETED POLLUTANTS

- Sediment
- Nutrients
- Heavy Metals
- Toxic Materials
- Oxygen Demanding Substances
- Oil & Grease
- Floatable Materials
- Bacteria & Viruses

- High Impact
- Medium Impact
- Low or Unknown Impact

IMPLEMENTATION REQUIREMENTS

- Capital Costs
- O&M Costs
- Regulatory
- Training
- Staffing
- Administrative

- High Medium Low