



# MAA Environmental Toolbox Talk

## Stormwater Best Management Practices



Storm water is the portion of rainfall or snow melt that does not immediately percolate into the ground or evaporate. Storm water flowing across exposed soils can pick up sediment, oil, grease, and other materials, which if not properly managed, will negatively impact offsite water quality. Storm water control Best Management Practices (BMPs), if properly maintained and regularly inspected, are effective structural controls and procedures for preventing or reducing pollution to offsite waters.

**Inspect BMPs** regularly for continued effectiveness and structural integrity. Check **after every major storm** event in addition to regular scheduled inspections.

**Inspect the property line** for unidentified areas of storm water runoff or run on. *For berms along the perimeter of the property; has rutting or erosion occurred? **Ensure berm or spoil pile erosion has not encroached on the property line or buffers.***

**Inspect berms** for deterioration and repair as needed. *Are there breaches in berms? Do berms need seeding? Stabilize berms & spoil piles with rip rap or vegetative cover. Install silt fence or check dams to control runoff as needed. **Silt fence should only be used as a temporary solution until permanent stabilization is established.***

**Check for deterioration of settling pond** side walls and dams. *Are ponds > 50% full? Is there enough freeboard for storm water? Routinely clean out sediment in settling ponds.*

**Inspect discharge points** for erosion. *Use rip rap or a poured concrete pad for a splash pad at discharge pipes where appropriate and to slow the velocity of storm water runoff. Use subsurface withdrawal for pond discharge pipes to prevent releases of oil.*

**Maintain BMPs** regularly to keep them in good working order and repair as needed **before the next rain event.**

**Practice Good Housekeeping** at the shop, equipment maintenance areas, fuel islands, and oil storage containment areas to prevent spills of oil and grease. Conduct regular inspections and utilize oil absorbents to clean spills and leaks.

### Documentation

When an agency shows up to conduct an inspection, they will be looking for the following documents to be readily available:

- ✓ A copy of the SWPPP or NPDES permit.
- ✓ A copy of all Stormwater inspection reports for the last 3 years.
- ✓ A copy of all DMRs for the last 3 years.
- ✓ A copy of all water sample analytical data for the last 3 years.
- ✓ A copy of pH meter calibration records for 3 years (if applicable).
- ✓ All of the stormwater training conducted over the last 3 years.
- ✓ The SPCC and SWPPP.



**Following Storm Water BMPs can prevent a runoff catastrophe!**