



ECO-RAIN TANKS & DRAINAGE CELL MAINTENANCE & INSPECTION PROCEDURES

*Eco-Rain Tank Systems of America recommends design using **Point Source** filtration of water before it enters the Eco-Rain Tanks or Drainage Cells.*

CONSTRUCTION PHASE:

Follow all local, state, and federal regulations for sediment and erosion control during construction. Keep sediment and debris out of the interior filter fabric, catch basin, and/or commercial filter during installation.

POINT SOURCE (BIOSWALE) WATER FILTRATION:

Water filtration occurs through a permeable surface above the Eco-Rain Tank structure. Large suspended solids such as silt, fines and trash, are filtered out before water enters the system - there is nothing to clean out of the Tank structure.

**Inspect the permeable surface periodically – at least once every six months based on the volume of debris at the site for clogging: clear vegetative and trash debris. Dispose of debris in accordance with local, state, and federal agency regulations.*

COMMERCIAL FILTER:

Water directed into the Tank structure via pipes must pass through a commercial filter – a filter must be installed on all inlet pipes. When the filter is properly sized for the calculated volume by the designing Engineer, maintenance is relegated to the filter unit. Follow the filter manufacturer's maintenance procedures.

**Consult with the Filter manufacturer for inspection and cleanout protocol for filters. Eco-Rain Tank recommends inspection and cleanout of the filter after major storm events and at least every six months. Dispose of debris in accordance with local, state, and federal agency regulations.*

CATCH BASIN:

When a catchment basin with a filter insert is used that does not allow debris to pass through, maintenance is relegated to removal of gross pollutants from the catch basin. A catch basin designed to handle the appropriate volume of water will not allow trash or large sediments to enter the Eco-Rain Tank.

**Inspect the catch basin at least every six months & after all major storm events and clean out. Dispose of debris in accordance with local, state, and federal agency regulations.*

**When using the 1" Drainage Cells and geotextile fabric to line a catchment basin half-filled with sand, use CLEAN river sand; scrape the surface after all major storm events and at least every six months to keep the sand filter open and available to freely filter water into the system. Dispose of debris in accordance with local, state, and federal agency regulations.*



INSPECTION & CLEANOUT PORTALS:

Eco-Rain Tanks can be designed with inspection, clean-out and/or flushing ports to remove possible accumulation of sediment or fines. The Eco-Rain Tank Cleanout Portal has a round six, or eight or twelve-inch opening at the center base of each Cleanout Plate that can accommodate a camera, high-pressure hose, and vacuum. Design with Cleanout Portals near inlet where sediment may enter and at the opposite side of the structure. Inspect the bottom of the Tank structure by inserting a camera down the Cleanout access portal. If sediment is present, flush water through the tank by inserting a high-pressure hose through the portal on one side to suspend and vacuum it out the opposite side. Dispose of flushed water in accordance with local, state, and federal agency regulations.

**When using Cleanout Portals, inspect inside of the tank at least once per year. If necessary, perform a flush at that time. If water entering the tank is filtered properly, flushing may only be necessary every five years. Dispose of flushed water in accordance with local, state, and federal agency regulations.*

MAINTENANCE LOG:

Keep a log of all inspection and maintenance performed on the Eco-Rain Tank structure and filters. Keep this log on-site.

*****Eco-Rain Tank Systems warranty is void if unfiltered water is directed into the Tank structure.***

+ 1.818.501.0424 - contact@ecoraintank.com - www.ecoraintank.com