



ECORAIN TANKS, ECOVOID & DRAINAGE CELL MAINTENANCE & INSPECTION PROCEDURES

*EcoRain Tank Systems of America recommends design using **Point Source** filtration of water before it enters the EcoRain Tanks, Ecovoid, and 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 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 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 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 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 structure.

**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 PORTS:

EcoRain structures can be designed with inspection, clean-out and/or flushing ports to remove possible accumulation of sediment or fines. The EcoRain 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 ports near inlets where sediment may enter and at the opposite side of the structure. Inspect the bottom of the structure by inserting a camera down the cleanout access portal. If sediment is present, flush water through the structure by inserting a high-pressure hose through the port 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 ports, inspect inside of the structure at least once per year. If necessary, perform a flush at that time. If water entering the structure 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 EcoRain structure and filters. Keep this log on-site.

*****EcoRain Tank Systems warranty is void if unfiltered water is directed into the structure.***

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