

Regular Inspection and Maintenance Guidance for Subsurface Gravel Filter Systems

Regular inspection and maintenance is critical to the effective operation of Subsurface Gravel Filter systems. It is the responsibility of the owner to maintain the Deep Sump Catch Basin in accordance with the minimum design standards.

This page provides guidance on maintenance activities that are typically required for these systems, along with the suggested frequency for each activity. Individual systems may have more, or less, frequent maintenance needs, depending on a variety of factors including but not limited to: the occurrence of large storm events, overly wet or dry periods, regional hydrologic conditions, and the upstream land use.

ACTIVITIES

Visual inspections and sediment removal (vacuuming) are routine for system maintenance. This includes inspection for standing water, and removal by vacuum of leaves, trash, debris, and sediment accumulation in the system.

ACTIVITY	FREQUENCY
CLOGGING AND SYSTEM PERFORMANCE	
Inspect inlets and outlets to ensure good condition and no evidence of deterioration. Check to see if high-flow bypass is functioning. Remedy: Repair or replace any damaged structural parts, inlets and outlets. Clear or remove debris or restrictions.	Annually, more frequently in the first year of operation
Check for sediment level in all catch basins or inlet control structures to ensure it is < 50% full. Remedy: Remove sediment.	
Check that the system is fully draining ensuring there is no standing water above the inlet and outlet controls or foul catch basin contents. Remedy: Repair or restore hydraulic inlet or outlet function.	