



Sand Filter Operations and Maintenance

Sand filters are holding tanks that collect and filter stormwater flowing off hard surfaces before it flows to the drainage system. Sand filters slow the amount of stormwater entering the drainage system as well as removing some contaminants. They are usually installed where stormwater runoff may collect high levels of contaminants, such as from roads, carparks and industrial areas. Sand filters are designed to separate debris from the runoff, filtering the remaining flow.

Maintenance:

The following outlines best practice.

Following Storms	Sediment Chamber	<ul style="list-style-type: none"> • Check for floatables, and remove by hand or using sucker truck. • Check sediment level. If depth is more than 200mm then remove using sucker truck.
	Filter Chamber	<ul style="list-style-type: none"> • Clear surface of rubbish and leaf litter. • Check filter material has not been eroded. If level is below expectation, top up with fresh filter material (do not compact). • Check Filter is not clogged, if so remove the top 40mm then replace with fresh media (do not compact).
	Pipework	<ul style="list-style-type: none"> • Check pipework for blockage or sediment and clear as required.
3 monthly	Sediment Chamber	<ul style="list-style-type: none"> • Check for floatables, and remove by hand or using sucker truck.



6 monthly	Sediment Chamber	<ul style="list-style-type: none"> • Check sediment level. If depth is more than 200mm then remove using sucker truck.
	Filter Chamber	<ul style="list-style-type: none"> • Clear surface of rubbish and leaf litter. • Check surface for algae and weed growth- remove manually. • Rake and shovel top surface of algae or use sucker truck if possible and top up filter material (do not compact). • Check filter material has not been eroded. If level is below expectation, top up with fresh filter material (do not compact). • Check Filter is not clogged, if so remove the top 40mm then replace with fresh media (do not compact).
	Pipework	<ul style="list-style-type: none"> • Check pipework for blockage or sediment and clear as required.
Annually	Pipework	<ul style="list-style-type: none"> • Check pipework for blockage or sediment and clear as required.
Two yearly	Sediment Chamber	<ul style="list-style-type: none"> • Remove floatables and sediments.
	Filter Chamber	<ul style="list-style-type: none"> • Remove all media and replace with fresh media.

Please note confined space entry maybe required, and appropriate measures should be followed.

Disposal of Media:

Sand filters treat stormwater run-off from roads, carpark, driveways and other hard surfaces, collecting pollutants. Sand filter media will accumulate these pollutants, contaminating the media. The material removed from these sites MUST be disposed of at a secure landfill.