

9-C.7.0. RAINWATER HARVESTING: O&M CHECKLIST

Inspection Date _____
 Project _____ Site Plan/Permit Number _____
 Location _____ Date BMP Placed in Service _____
 Date of Last Inspection _____ Inspector _____
 Owner/Owner's Representative _____
 As-Built Plans available: Y / N

Ideally, this practice should be inspected each Spring and Fall by the owner, with an extensive inspection every three years by a qualified third party inspector.

Element of BMP	Potential Problems	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Overall <i>(Every third year)</i>	A component of the system is leaking or damaged				Make necessary repairs or replace damaged components	Professional	
	Water is flowing out of the overflow pipe during the design rainfall or smaller storm (1-1.5 inch)				Check for clogging or damage and ensure the pump is operating correctly. Ensure water is being used at the volume for which the system was designed.	Owner or professional	
	Electric system is flawed				Make any necessary repairs/adjustments	Professional	
	Sediment accumulation in cistern exceeds 5% of the design volume				Remove sediment	Professional	
	Excessive overhanging vegetation/trees present				Trim branches back to meet standards	Professional	
Captured roof area <i>(Twice a year)</i>	Excess debris/sediment on the rooftop				Remove debris immediately	Owner or professional	
Gutter system <i>(Twice a year)</i>	Gutters are clogged and water is backed up				Unclog/remove leaves and debris. May need to install gutter screens.	Owner or professional	
	Rooftop runoff is not reaching the gutter system				Correct the positioning or installation of gutters. May need to replace the system	Owner or professional	
	Algae growth				Do not allow sunlight to penetrate cistern. Treat the water to remove/prevent algae	Owner or professional	
	Mosquitoes are present in the cistern				Check screens for damage and repair/ replace. Treat with mosquito dunks if necessary	Owner or professional	
	Lids are damaged. Be sure to check vents and screens on inflow and outflow spigots and mosquito screens				Repair immediately. Ensure that lid damage has not led to any of the aforementioned problems with the cistern	Owner or professional	

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Screens and filters <i>(Twice a year)</i>	Debris/sediment accumulation. Screens are clogged				Find the source of debris and sediment and remedy. Clear the screen/filter. Replace if necessary	Professional	
Pump <i>(Twice a year)</i>	Not operating properly				Check for clogging. Flush if needed. May need to be replaced	Professional	
Pre-screening devices and first flush devices <i>(Every 3 months)</i>	Dirty/clogged				Have a professional ensure screens have not caused bacterial growth within the gutters or downspouts. The owner may remove the clean out plug from the first flush device and manually wipe it clean.	Owner or Professional	
Backflow preventer <i>(Every third year)</i>	Pressure is uneven and is causing backpressure or back-siphonage				Immediately stop use of the indoor water supplied by the tank and call a professional.	Professional	
Secondary water supply <i>(Every third year)</i>	Not operating properly				Consult an expert only	Professional	
Overflow pipe <i>(Annually)</i>	Erosion is evident at overflow discharge point, along the filter path/secondary runoff reduction practices				Stabilize immediately. It may be necessary to refer to inspection checklists for other BMPs.	Professional	
	Overflow pipe in poor condition				Repair or replace pipe	Professional	

