



Water Purification Maintenance Checklist

Complete guide to maintaining filters, rotating storage, testing water safety, and emergency purification protocols for tropical emergency preparedness.

Safe water is one of the highest priorities during emergencies. Tropical heat, humidity, floods, and long-term storage conditions increase contamination risks. Regular maintenance and testing reduce the chance of filter failure, bacterial growth, or unsafe drinking water.

1. Water Filter Maintenance Schedule

Task	Recommended Frequency	Completed
Clean filter housing	Monthly	<input type="checkbox"/>
Inspect hoses and seals	Monthly	<input type="checkbox"/>
Replace filter cartridge	Manufacturer schedule	<input type="checkbox"/>
Flush gravity filter system	Monthly	<input type="checkbox"/>
Inspect for mold or algae	Monthly	<input type="checkbox"/>
Check emergency backup filter	Every 3 months	<input type="checkbox"/>
Rotate purification tablets	Before expiry	<input type="checkbox"/>

2. Water Storage Rotation Tracker

Container	Date Filled	Rotate By	Completed
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Store water away from sunlight and heat. Use food-grade containers and elevate storage from flood-prone floors.



3. Water Safety Inspection Checklist

Done	Inspection Item
■	Inspect water for unusual smell
■	Check for discoloration or cloudiness
■	Inspect containers for cracks or leaks
■	Check lids and seals for contamination
■	Inspect storage area for insects or rodents
■	Monitor for algae growth
■	Review expiration dates on bottled water
■	Ensure emergency purification supplies remain stocked

4. Emergency Water Purification Protocols

Method	Basic Guidance
Boiling	Bring water to rolling boil for at least 1 minute
Portable Filters	Use according to manufacturer instructions
Purification Tablets	Follow exact product dosage instructions
Unscented Bleach	Emergency-only use with official dilution guidance

WARNING: Floodwater may contain sewage, chemicals, bacteria, parasites, or fuel contamination. When uncertain about water safety, avoid consumption unless properly treated.

5. Tropical Climate Troubleshooting Guide

Problem	Possible Cause	Recommended Action
Cloudy Water	Heat or contamination	Discard if uncertain and clean container
Green Growth	Sunlight exposure	Move to shaded storage area
Plastic Smell	Poor quality container	Use food-grade storage only
Slow Filter Flow	Blocked filter media	Clean or replace cartridge
Mold Near Lid	Humidity buildup	Dry thoroughly after cleaning

6. Final Preparedness Checklist

Done	Preparedness Item
■	Primary water filter operational
■	Backup purification method available

Done	Preparedness Item
■	Stored water rotated regularly
■	ORS and hydration supplies stocked
■	Water containers labeled with dates
■	Flood contamination precautions reviewed
■	Family members know purification basics

Print and store this guide with your emergency water supplies, filters, and preparedness equipment for quick reference during outages, floods, or contamination events.