





Rural community water point rehabilitation ('fontes dispersas')

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Rehabilitation of water sources is often necessary after a flood event. This technical checklist provides the basic steps on how to return the borehole and handpump to service, providing safe drinking water for the community.

	<p><u>STEP 1: Assess the flood impacts on the water point</u></p> <ul style="list-style-type: none"> ▪ Downhole pollution and/or blockage by mud and silt ▪ Damage to the handpump ▪ Damage to the concrete apron and drainage
	<p><u>STEP 2: Clean and disinfect the borehole</u></p> <ul style="list-style-type: none"> ▪ Remove the handpump while carefully examining the handpump components for wear or damage. ▪ Measure the water level. ▪ Using a submersible pump suitable for removing sand and silt, pump until the water is clear. Continue for another 30 minutes. ▪ Remove the pump and measure the water level every 30 seconds until it recovers. If it does not recover quickly, the screen may be blocked. ▪ Unclog the screen using compressed air but take care not to break the old screen and well casing. ▪ Disinfect the borehole by adding chlorine (HTH, Javel) and leaving overnight. Pump again for 1-2 hours.
	<p><u>STEP 3: Repair the handpump and drainage apron</u></p> <ul style="list-style-type: none"> ▪ Check the handpump and replace broken or worn parts as needed. Replace the o-rings. Check the footvalve condition. ▪ Repair the apron and drainage as necessary. Ensure a good seal when re-installing the handpump.
	<p><u>STEP 4: Water point sustainability¹</u></p> <ul style="list-style-type: none"> ▪ Follow the national Water Policy guidance for re-activating the water committee, training on handpump O&M, and hygiene promotion. ▪ Combine this work with tree planting for a green earth.

¹ Detailed PEC (Community education and participation) guidance related to the water committee, its duties, and water point O&M is covered by other resources.