

Use of Filthy Sources of Water

Issue: In the dry season, people sometimes drink water from muddy puddles of water on the ground that is shared by goats and cows. Evidence of animal feces is present. Often the water is consumed without boiling it first, as this requires an added effort to collect wood to burn.

Solutions: Graduates learn how to obtain clean drinking water from groundwater resources and how to protect those sources against contamination; they learn how to take contaminated water and make it safe to drink by using different purification techniques such as filtration, reverse osmosis, solar radiation, chlorination, and others; they learn how to build biosand filter systems sufficient to support a household or community water supply; they learn what the health risks are due to consumption of bacterial-contaminated water; they learn how to keep water supplies separated, for different uses as appropriate.

