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## INTRODUCTION TO HOUSEHOLD WATER TREATMENT AND SAFE STORAGE (HWTS) WORKSHOP

**LENGTH:** 2 - 3 days

### WORKSHOP DESCRIPTION

This workshop is designed for those interested in starting or strengthening household water treatment and safe storage projects in developing countries. It provides an introduction to water sources and contamination, the water treatment process, household water treatment and safe storage options, and selection criteria for choosing between options. Participants will use criteria to practice selecting locally appropriate treatment options using the multi-barrier approach for safe water. Implementation strategies and project planning steps for successful projects are discussed. Participants will be able to observe and practice correct use of treatment technologies.

### OBJECTIVES

Upon completion of the workshop participants will be able to:

- Discuss the importance of household water treatment and safe storage
- Identify different water sources and contamination
- Identify and select appropriate options for getting safe water
- Make informed decisions about planning and implementing household water treatment and safe storage projects

### PARTICIPANTS

The workshop is oriented towards participants who are:

- Working in water and sanitation, community development, or health projects
- Motivated to work with households in low income communities to provide safe water
- Currently implementing household water treatment projects and motivated to expand, improve or strengthen their projects

Participants may be:

- Decision makers who are planning or considering household water treatment projects
- Non-governmental organizations (NGO), international NGOs, government, agency or individual project leaders or implementers considering how best to provide safe water for a community
- Community leaders and community health promoters who inform and educate households on their options for safe water

This is an introductory level workshop. Participants will observe demonstrations and practice using various technologies. However, this workshop is not intended to provide full training on the construction of each technology.

Participation by women is encouraged. Preferably, 2 to 5 people from each organization would attend to ensure that they learn together and benefit most from the workshop.

## **METHODS OF INSTRUCTION**

This participatory style workshop includes theory, classroom exercises, open discussion, case studies, demonstrations, and hands-on practice. Active participant engagement in learning activities is encouraged.

## **CONTENT**

The following is a tentative list of the topics to be covered. A specific agenda will be developed for each workshop based on consultation with the organizer and the participant's needs.

- Similarities and differences between household water treatment and community water treatment
- The water treatment process and the multi-barrier approach to safe water
- Water sources and water contaminants
- Options for protecting and treating water at the household level
- How to use and maintain different treatment technologies
- How to select technologies that are locally appropriate
- Different implementation strategies
- Requirements for a successful household water treatment project
- Steps for planning a successful household water treatment project

## **TRAINING MATERIALS**

The following materials will be provided to all workshop participants:

- Participant reference manual
- CD containing all material presented in the workshop and related resources